

Contingency Casing Design

If hole conditions dictate, 7" casing will be set at 7,173' MD (6,900' TVD). A 6 1/8" hole will then be drilled to 10,985' MD (6,900' TVD) where 4 1/2" casing will be set and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 6300'

2nd Intermediate

0 ft to 100 ft				Make up Torque ft-lbs			Total ft =
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	26 #/ft	J-55	LT&C	3670	2750	4590	
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift			
4,320 psi	4,980 psi	367,000 #	415,000 #	6.151			

100 ft to 5,800 ft				Make up Torque ft-lbs			Total ft =
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	23 #/ft	J-55	LT&C	3130	2350	3910	
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift			
3,270 psi	4,360 psi	313,000 #	366,000 #	6.25			

5,800 ft to 7,173 ft				Make up Torque ft-lbs			Total ft =
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	26 #/ft	J-55	LT&C	3670	2750	4590	
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift			
4,320 psi	4,980 psi	367,000 #	415,000 #	6.151			

Lead w/750sx Lite crete (YLD 2.66 Wt. 9.9) tail w/125sx PVL (YLD 1.41 Wt 13) TOC = Surface

Production

0 ft to 10,985 ft				Make up Torque ft-lbs			Total ft =
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
4.5 inches	11.6 #/ft	HCP-110	LT&C	3020	2270	3780	
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift			
8,650 psi	10,650 psi	279,000 #	367,000 #	3.875			

DV tool placed at approx. 6300' and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 6300'.

Cemented w/625sx PVL (YLD 1.41 Wt 13) TOC= 6300'

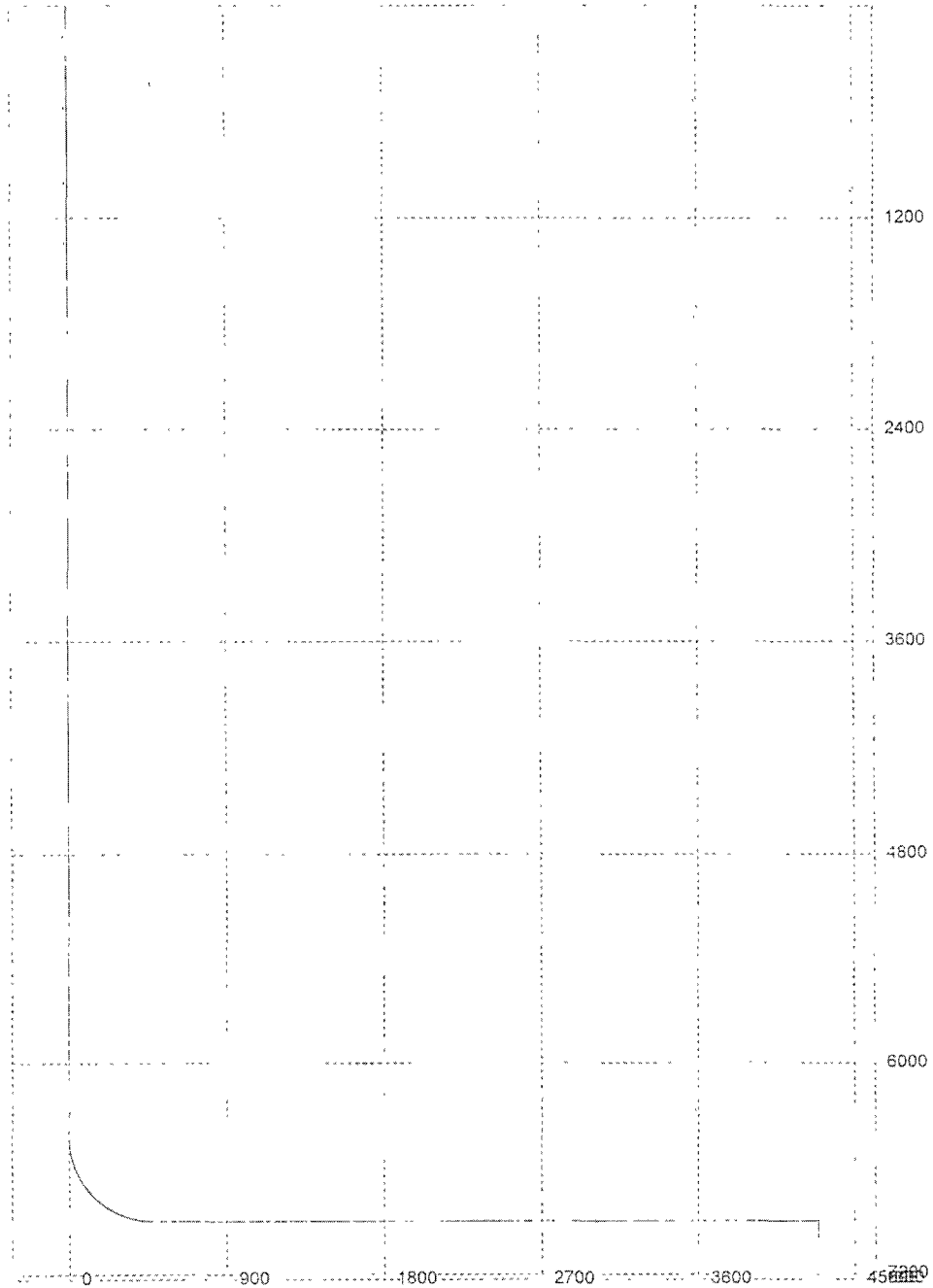
M.D.	Inclination	Azimuth	T.V.D.	N+/S-	E+/W-	D.L.S.	ToolFace	T.F. Ref (HS/GN)	
0	0	0	0	0	0	0			
760	0	0	760	0	0	0			RUSTLER
2,400	0	0	2,400	0	0	0			BELL CANYON
3,200	0	0	3,200	0	0	0			CHERRY CANYON
4,420	0	0	4,420	0	0	0			BRUSHY CANYON
5,900	0	0	5,900	0	0	0			BONE SPRINGS
6,120	0	0	6,120	0	0	0			AVALON SHALE
6423	0	0	6423	0	0	12	90	GN	KOP
6425	0.24	90	6425	0	0	12	0	HS	
6450	3.24	90	6449.99	0	0.76	12	0	HS	
6475	6.24	90	6474.9	0	2.83	12	0	HS	
6500	9.24	90	6499.67	0	6.2	12	0	HS	
6525	12.24	90	6524.23	0	10.85	12	0	HS	
6550	15.24	90	6548.51	0	16.79	12	0	HS	
6575	18.24	90	6572.45	0	23.99	12	0	HS	
6600	21.24	90	6595.97	0	32.43	12	0	HS	
6625	24.24	90	6619.03	0	42.1	12	0	HS	
6650	27.24	90	6641.54	0	52.95	12	0	HS	
6675	30.24	90	6663.46	0	64.97	12	0	HS	
6700	33.24	90	6684.72	0	78.12	12	0	HS	
6725	36.24	90	6705.26	0	92.37	12	0	HS	
6750	39.24	90	6725.03	0	107.67	12	0	HS	
6775	42.24	90	6743.97	0	123.98	12	0	HS	
6800	45.24	90	6762.03	0	141.26	12	0	HS	
6825	48.24	90	6779.16	0	159.47	12	0	HS	
6850	51.24	90	6795.32	0	178.54	12	0	HS	
6875	54.24	90	6810.45	0	198.44	12	0	HS	
6900	57.24	90	6824.52	0	219.1	12	0	HS	
6925	60.24	90	6837.49	0	240.47	12	0	HS	
6950	63.24	90	6849.33	0	262.48	12	0	HS	
6975	66.24	90	6860	0	285.09	12	0	HS	
7000	69.24	90	6869.46	0	308.22	12	0	HS	
7025	72.24	90	6877.71	0	331.82	12	0	HS	
7050	75.24	90	6884.71	0	355.82	12	0	HS	
7075	78.24	90	6890.44	0	380.15	12	0	HS	
7100	81.24	90	6894.9	0	404.75	12	0	HS	
7125	84.24	90	6898.06	0	429.55	12	0	HS	
7150	87.24	90	6899.91	0	454.47	12	0	HS	
7173.06	90.01	90	6900.47	0	477.52	0			FBSG TARGET
10985.54	90.01	90	6900	0	4290	0			LATERAL TD

Pilot hole drilled vertically to 8600'. Well will be plugged back with 400'-500' kick off plug at approx 6423' and directionally drilled at 12 degrees per 100' with a 8 3/4" hole to 7173' MD (6,900' TVD). If hole conditions dictate, 7" casing will be set. A 6 1/8" hole will then be drilled to 10,985' MD (6,900' TVD) where 4 1/2" casing will be set and cemented. If 7" is not set, then hole size will be reduced to 7 7/8" and drilled to 10,985' MD (6,900' TVD) where 5 1/2" casing will be set and cemented. Penetration point of producing zone will be encountered at 1650' FSL and 1138' FWL, 24-24S-27E. Deepest TVD in the well is 8600' in the pilot hole. Deepest TVD in the lateral will be 6900'.

3D³ Directional Drilling Planner - 3D View

Company: Yates Petroleum Corporation

Well: Perdomo BMP State Com. #1H



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