

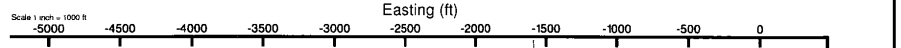
30-015-39488



BOPCO, L.P.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: Poker Lake Unit No. 345H

Slot: No.345H SHL
Well: No.345H
Wellbore: No.345H PWB



No 345H PBHL 7655 00ft TVD, 4308 37ft N, 4399 87ft W

No 345H PBHL Rev A

Target Box
5' +/- @ EOC
15' +/- @ BHL

No 345H Target #2

Build 7684 68ft TVD, 2340 63ft N, 2357 51ft W
Target #2 7685 00ft TVD, 2325 29ft N, 2341 58ft W

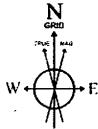
Build 7712 09ft TVD, 1290.31ft N, 1265.51ft W
Tie On 7713 95ft TVD, 1208.08ft N, 1183 51ft W

No 345H Target #1

No 345H SHL

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	9279 00	90 800	316 200	7713 95	1208 08	-1183 51	1690 83
Build	9395 22	91 039	313 888	7712 09	1290 31	-1265 61	1807 02
Target #2	10888 42	91 039	313 888	7685 00	2325 29	-2341 58	3299 92
Build	10910 53	90 600	313 934	7684 68	2340 63	-2357 51	3322 03
No 345H PBHL	13746 76	90 600	313 934	7655 00	4308 37	-4399 87	6158 00

Plot reference wellpath is Rev E 0	
True vertical depths are referenced to Rig on No 345H SHL (KB)	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 345H SHL (KB)	North Reference: Grid north
Rig on No 345H SHL (KB) to Mean Sea Level 3375 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot No 345H SHL) -3356 feet	Depths are in feet
Coordinates are in feet referenced to Slot	
Created by: gentry on 4/25/2012	



BGGM (1945 0 to 2013 0) Dip: 80 04° Field: 48490 = T
Magnetic North is 7 71 degrees East of True North (at 2/28/2012)
Grid North is 0 25 degrees East of True North
To correct azimuth from True to Grid subtract 0 25 degrees
To correct azimuth from Magnetic to Grid add 7 45 degrees
For example: if the Magnetic North Azimuth = 90 degrees, then the Grid North Azimuth = 90 + 7 45 = 97 45

