

Project: Eddy County, New Mexico (NAD83)
 Site: Littlefield 34 Federal Com
 Well: 3H
 Wellbore: OH
 Design: Plan 1 09-20-16
 Rig:



T G M
 Azimuths to Grid North
 True North: -0.19°
 Magnetic North: 6.68°
 Magnetic Field
 Strength: 48076.5anT
 Dip Angle: 59.73°
 Date: 8/19/2016
 Model: HDGM

Map System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: New Mexico Eastern Zone
 Local Origin: Well 3H, Grid North
 Latitude: 32° 0' 4.17287 N
 Longitude: 103° 58' 23.49626 W
 Grid East: 652975.50
 Grid North: 384347.10
 Scale Factor: 1.000

Geomagnetic Model: HDGM
 Sample Date: 19-Sep-16
 Magnetic Declination: 7.07°
 Dip Angle from Horizontal: 59.73°
 Magnetic Field Strength: 48071
 To convert a Magnetic Direction to a Grid Direction, Add 5.86°
 To convert a Magnetic Direction to a True Direction, Add 7.07° East
 To convert a True Direction to a Grid Direction, Subtract 0.19°

LEGEND

— 1H, OH, Plan 1 09-20-16 VO
 — Plan 1 09-20-16

CL + KB @ 2804.00ust
 Ground Level: 2884.00

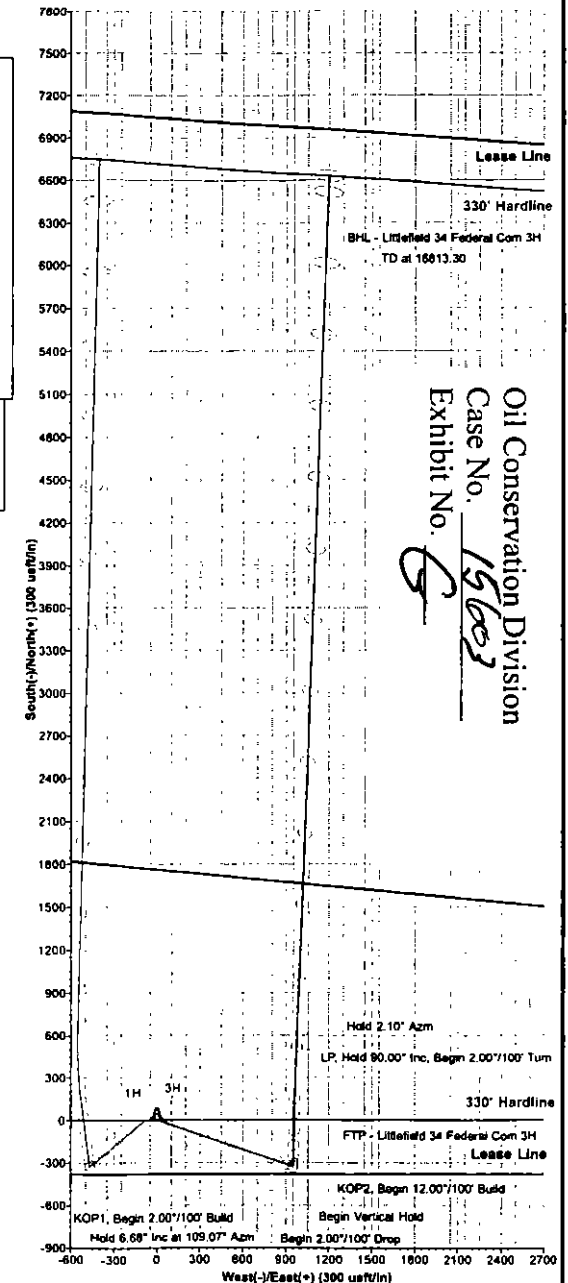
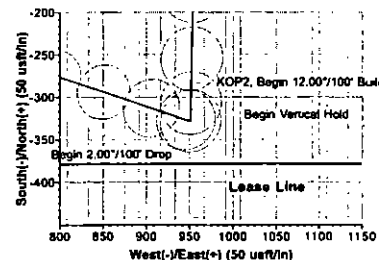
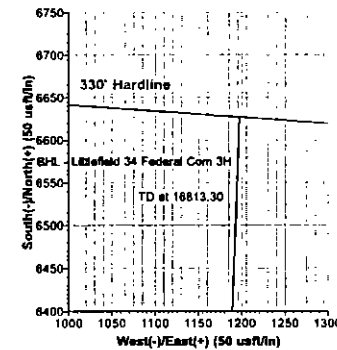
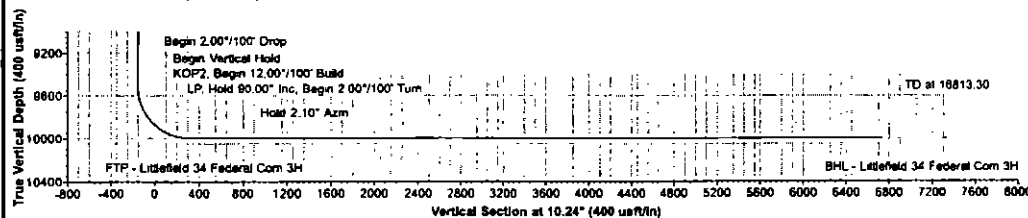
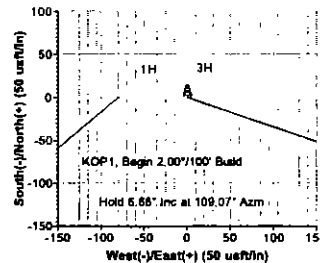
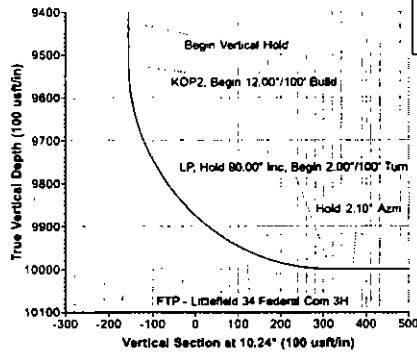
WELL DETAILS					
		Ground Level	2884.00		
+N-S	+E-W	Northing	Eastng	Latitude	Longitude
0.00	0.00	384347.10	652975.50	32° 0' 4.17287 N	103° 58' 23.49626 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Eastng
BHL - Littlefield 34 Federal Com 3H	10000.00	6626.90	-1197.40	370974.00	654172.90
FTP - Littlefield 34 Federal Com 3H	10000.00	-48.80	952.90	364298.30	653928.40
				32° 0' 3.65619 N	103° 58' 12.43189 W

SECTION DETAILS											
Sec	MD	Inc	Ab	TVD	+N-S	+E-W	Diag	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP1, Begin 2.00°/100° Build
3	834.18	6.68	109.07	833.43	-8.36	18.40	2.00	109.07	-2.99	0.00	Hold 6.68° Inc at 109.07° Azm
4	9146.38	6.68	109.07	9069.11	-372.52	932.72	0.00	0.00	-151.54	0.00	Begin Vertical Hold
5	9480.55	0.00	0.00	9422.54	-328.89	951.12	2.00	185.00	-154.53	0.00	KOP2, Begin 12.00°/100° Build
6	9580.55	0.00	0.00	9522.54	-328.89	951.12	0.00	0.00	-154.53	0.00	LP, Hold 90.00° Inc, Begin 2.00°/100° Turn
7	10332.55	90.00	1.10	10000.00	148.49	980.29	12.00	1.10	316.87	0.00	Hold 2.10° Azm
8	10380.54	90.00	2.10	10000.00	198.47	961.89	2.00	90.00	396.30	0.00	
9	16913.30	90.00	2.10	10000.00	6626.90	1197.40	0.00	0.00	6734.21	0.00	BHL - Littlefield 34 Federal Com 3H TD at 16913.30

FORMATION TOP DETAILS

No formation data is available



Oil Conservation Division
 Case No. 15602
 Exhibit No. 6