



# ConocoPhillips

## Arapahoe County, Colorado

### Grande 4-65 20-19 2AH

### Design D

#### Casing Depths

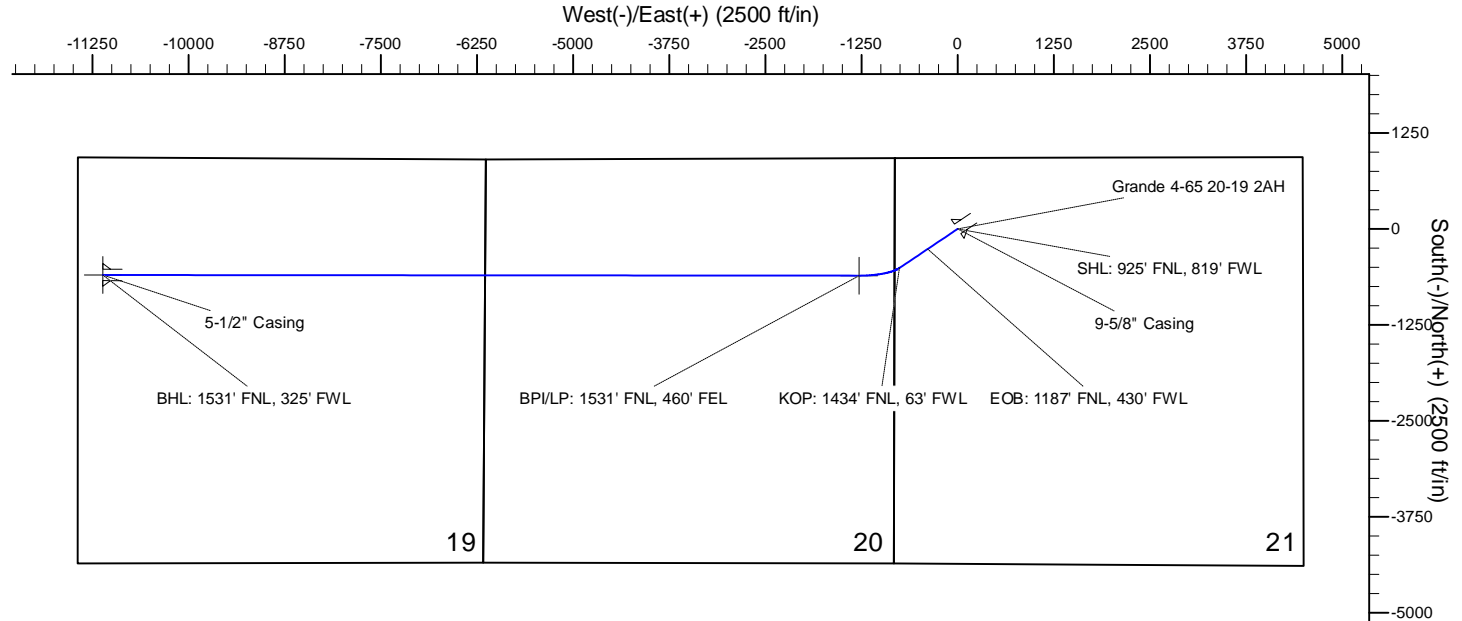
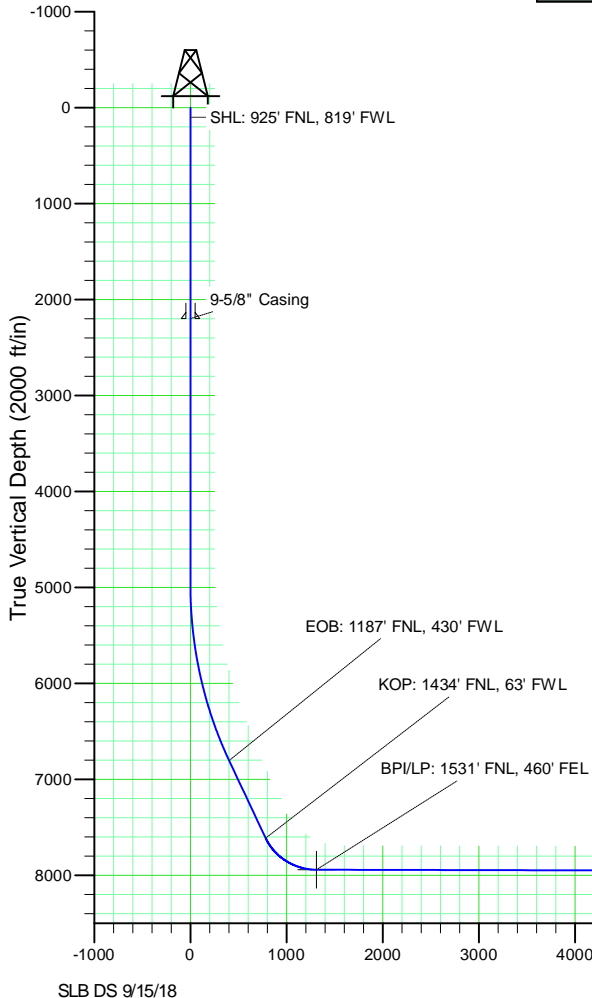
TVD	MD	Name	Size
2199.00	2199.00	9-5/8" Casing	9-5/8
7966.00	18302.99	5-1/2" Casing	5-1/2

Ground Level: 5664.40  
Surface Location Latitude: 39° 41' 38.457 N  
Surface Location Longitude: 104° 40' 31.814 W  
North Reference: True  
25' RKB @ 5689.40ft (25' RKB)

North American Datum 1983  
GRS 1980  
US State Plane 1983  
Colorado Central Zone

#### Well Profile Data

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4970.95	0.00	0.00	4970.95	0.00	0.00	0.00	0.00
6883.95	28.70	236.04	6804.98	-262.03	-389.11	1.50	402.68
7805.25	28.70	236.04	7613.13	-509.12	-756.02	0.00	782.40
8469.42	89.87	270.05	7943.00	-609.38	-1280.45	10.00	1311.47
18302.99	89.87	270.05	7966.00	-600.80	-11113.99	0.00	11130.22



#### Wellbore Targets

Name	TVD	Latitude	Longitude
Grande 4-65 20-19 2AH BPI (D)	7943.00	39° 41' 32.435 N	104° 40' 48.194 W
Grande 4-65 20-19 2AH BHL (D)	7966.00	39° 41' 32.496 N	104° 42' 53.989 W

Vertical Section at 266.91° (2000 ft/in)