

EIGHT POINT DRILLING PLAN

Attached to Application For Permit To Drill: Form 3160-3:

Operator: Bonneville Fuels Corporation

Avalon 1 Federal #4

Unorthodox Surface Location: 2853' FSL & 1643' FEL, Lot 31

Unorthodox Bottom Hole Location: 1320' FSL & 2310' FWL, Lot 38

Section 1, T.21S., R.26E. N.M.P.M.

Eddy County, New Mexico

1. ESTIMATED TOPS: IMPORTANT GEOLOGIC MARKERS

ALL DEPTHS REF. Est. KB @ 17' above GL: True

Permian:	Vertical Depth:	Measured Depth:
Yates Fm.:	Surface	Surface
Seven Rivers:	274'	274'
Capitan Reef Fm.:	669'	669'
Goat Seep Reef Fm.:	2320'	2320'
Delaware Fm.:	2472'	2472'
Cherry Canyon Mbr.:	2472'	2472'
Brushy Canyon Mbr.:	3752'	3796'
Bone Springs Fm.: T.O. LS:	4542'	4635'
3 rd Bone Springs Mbr.:	8152'	8472'
Wolfcamp Fm.:	8532'	8870'
Wolfcamp: Detrital Mbr.:	8882'	9226'

Pennsylvanian: ALL @ REQUESTED BOTTOM HOLE LOCATION:

Cisco Fm.:	9528'	9873'
Canyon Fm.:	9658'	10003'
Strawn Fm.:	9838'	10183'
Atoka Fm.:	10068'	10413'
Morrow Fm.:	10708'	11053'
Morrow 'B' Mbr.:	10793'	11138'
Morrow 'C' Mbr.:	11008'	11353'
Barnett Shale Fm.:	11180'	11525'

Projected Maximum T.D. in Barnett Shale Fm.: 11400' 11745'

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Formation	True Vertical	Measured
OR Sand:	Depth:	Depth:
Fresh Water: Capitan Reef:	130' to 450'	130' to 450'

Oil and Gas Targets:

Cisco Fm.:	9528'	9873'
Canyon Fm.:	9658'	10003'
Strawn Fm.:	9838'	10183'
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