

STEVE SELL
SHAHER FEDERAL #1 (G.DRILL)

GEOLOGICAL PROGNOSIS
Shafer (Replacement Well)

Indian Basin Cisco Test: Estimate 15 days directional drilling.
Section 35, T21S, R24E.

Surface location: 11327' FSL & 1143' FNL
Bottom Hole location: +/- 2500' FSL & +/- 900' FNL

KOP: 3900' Maximum average angle deviation: 20 degrees
Elevation: G.L. 5842' K.B. 3857'

Projected loss: True Vertical Depth

Bone Springs - 2nd CARB	4810'
Bone Springs - 3rd CARB	5550'
Wolfcamp Shale	6630'
Cisco Reef	7760'

Expected BHT 20000

Samples caught every 10' through out drilling. Shallow needs to be caught up by 7600' True Vertical Depth to pick upcoming top of Cisco for DST. Mud up at 7600'. In Cisco, when drilling break is obtained of 1 min/ft or less, or when Kurt Boley decides, we will stop drilling and circulate up samples and gas for possible DST.

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