

APACHE CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: Crow Federal #19H
API: 30-015-41909
Spud Date: 2/13/2014

Field: Cedar Lake
County: Eddy
State: New Mexico

Surface:	2280' FSL & 370' FEL Lot I, Section 10, T-17-S, R-31-E Eddy County, New Mexico
BHL:	2274' FSL & 347' FWL Section 10, T-17-S, R-31-E Eddy County, New Mexico
Elevation:	3,926'
KB:	3,937'
TVD:	5,339'
TMD:	9,813'
PBMD:	9,676'

Hole Size
= 17 1/2"

Hole Size
= 11"

Hole Size
= 7 7/8"

KOP - 4900'

13 3/8" 48# H-40 STC csg set @ 675'
CMT w/ 730 sx; TOC @ surface (circ)

8 5/8" 32# J-55 LTC csg set @ 3,500'
CMT w/ 1,270 sx; TOC @ surface (circ)

5 1/2" 17# L-80 LTC csg set @ 9,813'
CMT w/ 1530 sx; TOC @ surface (circ)

Perfs: 5772-8510' (5 SPF, 400 holes)

CBP @ 8552' 8788-90, 8716-18, 8644-46, 8572-74'
CBP @ 8832' 9068-70, 8996-98, 8924-26, 8852-54'
CBP @ 9112' 9348-50, 9276-78, 9204-06, 9132-34'
CBP @ 9392' 9412-14, 9484-86, 9556-58, 9628-30'

Rupture Disk @ 9,675'