

Aurora Power Resources
DAVID BENDER #1A
Actual Completion
June 2014
NE SW Sec. 12, T4N, R60W
Morgan Co., Colorado

Drill 12-1/4" Hole to 550'

TOPS

Niobrara – 5660' MD
Fort Hays – 5902'
Greenhorn – 6018'
X Bentonite – 6252'
D Sand – 6350'
J Sand – 6426'

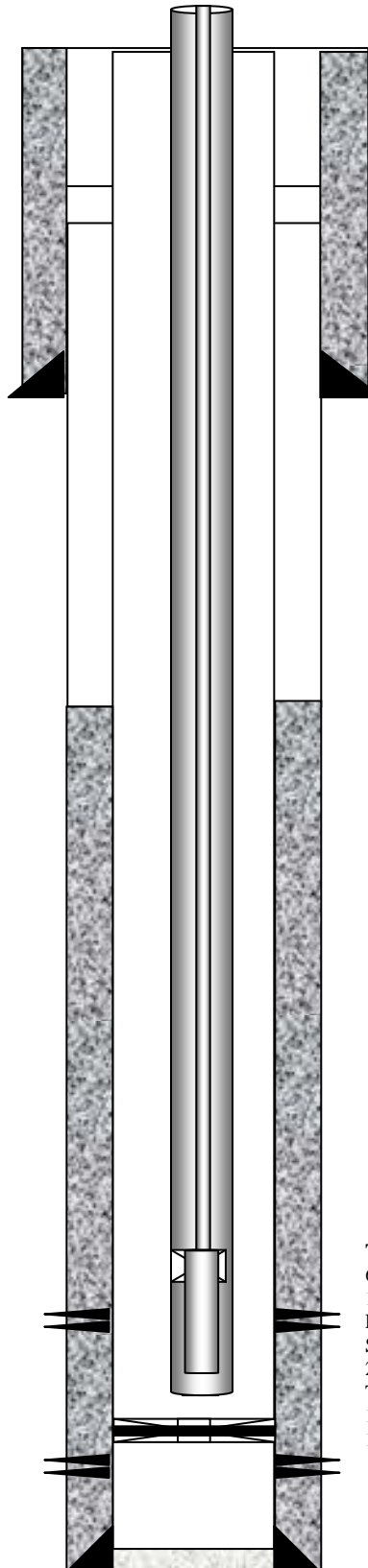
Well directionally drilled
with 1119' SE horizontal
displacement and max
inclination of about 21
degrees in "S" shaped
tangent

D Sand Completion
Perfs: 6353-6389'

CIBP set at 6420' w/ 2 sx cmt
PBTD 6405' MD

J Sand Completion
Perfs 6438-6463'
(tested wet w/ some oil shows)

PBTD @ 6489' MD / 6322' TVD



8-5/8" 24# J-55 Surface Casing set at
538' KB
Cemented to Surface w/ 292 sx

Top of Cement at +/- 4000'

194 jts of 2-7/8" 6.5# J-55 EUE Tubing
with Seating Nipple at 6319' (6333'
KB), Perf Sub at 6321', & TAC at
6252' (6265' KB) w/ 45K shear
(Tubing avg 32.73' per joint)

ROD STRING: 2-1/2" X 1-1/4" X 16' X
20' 2-stage H-F Pump,
8 -- 1-1/2" Norris C Sinker Bars,
20 - 3/4" Norris D90 Rods w/o guides,
152 - 3/4" Norris D90 Rods w/ 4 guides,
48 - 7/8" Norris D90 Rods w/ 4 guides,
23 - 7/8" Norris D90 Rods w/o guides,
2' +4' +6' +8' 7/8" Pony Rods
22' 1-1/2" Polished Rod

TUBINBG BHA (from bottom): Bull Plug at
6371' KB (0.55'),
1 jt Tubing (32.73')
Perf Sub (3.27')
Seating Nipple (1.10')
2 jts Tubing (65.46')
Tubing Anchor Catcher (2.7')
191 jt Tubing (6250.85')
14' KB

5 1/2" 15.5# J-55 Casing to 6578' MD
Cement w/ 325 sx 50/50 Poz C

Drill 7-7/8" Hole to 6585' MD/ 6419' TVD