

Royal Drilling, Inc.

**P.O. Box 342
Russell, Kansas 67665**

Running Foxes Petroleum
Herrmann #9-4B-2
NW NW NE SE Sec. 4-1S-15E
Brown County, Kansas

9/13/2016	11:00 PM	Move in & spud
9/14/2016	7:00 AM	95', work on getting circulation back Drill rat hole @ 2:00 AM, back in hole to start drilling @ 5:15 AM, lost circulation @ 6:45 AM – 95', pump 3 tanks of mud, wait on cementers, pump 50 sacks of Class A Common, 3% CC, 2% Gel. & ¼# flowseal per sack, wait on cement, 2 nd spotting of cement – 50 sacks of Class A Common, 3% CC, 2% Gel., ¼# flowseal per sack + 2 bags of hulls, wait on cement, @ 9:00 PM drill cement, drill ahead
9/15/2016	7:00 AM	220', wait on surface @ 12:15 AM circulate & jet cellar, trip out of hole w/bit, set surface @ 220' with 5 joints of 8 ^{5/8} ", new, 23# casing, cement with 250 sacks Class A Common, 3% CC, 2% Gel. & ¼# flowseal per sack, plug was down @ 3:00 AM, cement company – Elite Cementing, survey - ¼° Drill plug @ 11:30 AM, drilling ahead
9/16/2016	7:00 AM	1996', drilling ahead Displacement: mud was in @ 2219', mud came around @ 2255' DST #1—on bottom @ 9:00 PM (2635 – 2648'), recovery: 7' mud
9/17/2016	7:00 AM	2780', drilling ahead Lost circulation @ 2993', mix mud and run in hole to get circulation back, dry drilled to 3036', mix additional mud and run in hole, got circulation back, drill ahead
9/18/2016	7:00 AM	3390', 3435' TD @ 8:30 AM, loggers TD 3435', bottom hole survey 1°, lay down drill pipe, set 5½", new, 15.5# casing
9/19/2016	7:00 AM	Tear down rig @ midnight continue running casing, 2 stage cement, 1 st stage-165 sacks thick set cement, 5# Kol-seal, & 2# Pheno-seal, 2 nd stage-375 sacks 60/40 Poz. mix, 6% Gel. & 2# Pheno-seal, cement company: Elite Cementing, rig release @ 6:30 AM