



Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: RETKE #1  
 Location: C E/2 SE NE Sec: 16 T1S R24W  
 License Number:  
 Spud Date: 11/3/2010  
 Surface Coordinates: Sec 16, T1S, R24W  
 2000' FNL 370' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation (ft): 2387  
 Logged Interval (ft): 3100 To: TD  
 Formation:  
 Type of Drilling Fluid: Chemical Mud  
 Region: Norton County, KS  
 Drilling Completed: 11/8/2010  
 K.B. Elevation (ft): 2392  
 Total Depth (ft): 3620  
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: RyHolland Fielder  
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GEOLOGIST

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COMMENTS

Based upon careful examination of rock samples, DST results and e-logs, it is my opinion that production casing could be run.

In my opinion the "K"-zone could be produced from 3464-3466. I don not recommend shooting more than the top two feet due to the amount of water recovered with DST #3. I would recommend 4 shots per foot.

If it becomes uneconomical I would shoot the "J"-zone from 3446-3450 with 4 shots per foot. This zone may need to be acidized.

DSTs

DST #1 3266-3320 30-60-60-120; Hydro: 1642-1565; IFF: 18-107; ISIP: 1120; FFP: 114-180; FSIP: 1087; Rec: 62' mcw, 60%w, 40%w; 248' mcw, 90%w, 10%w; BHT: 89.05; IF: 1"; ISI: dead; FF: 1"; FSI: dead  
 DST #2 3390-3424 30-60-30-60; Hydro: 1729-1635; IFF: 33-183; ISIP: 1156; FFP: 185-295; FSIP: 1148; Rec: 620' mcw, 95%w, 5%w; 1' mcw w/oil specs; BHT: 93.61; IF: BOB 17min; ISI: dead; FF: BOB 11min; FSI: dead  
 DST #3 3424-3486 30-60-30-60; Hydro: 1802-1674; IFF: 79-220; ISIP: 1102; FFP: 257-317; FSIP: 1092; Rec: 62' mco, 90%o, 10%w; 248' ocwm, 15%o, 25%w, 60%w; 189' ocwm, 10%o, 40%w, 50%w; BHT: 92.76; IF: BOB 8min; ISI: dead; FF: BOB 25min; FSI: dead

FORMATION TOPS

Log Tops	Sample tops
ANHYDRITE	1904 (+488)
BAES ANHY.	1929 (+463)
TOPEKA	3142 (-750)
OREAD	3250 (-858)
HEEBNER	3268 (-876)
LANSING	3300 (-908)
MUNCIE CREEK	3390 (-1002)
BKC	3502 (-1110)
BASAL PENN SAND	3552 (-1160)
GRANITE WASH	3562 (-1170)
WEATHERED GRANITE	3590 (-1198)
GRANITE	3602 (-1210)
TD	3620 (-1228)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	Igne	Salt	Slstst
Brc	Arkose	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Ques		Dst

