

CRITICAL DATA REPORT

DRILLING TIME AND SAMPLE LOG

Operator: Eagle Creek Corporation

Well Name: Wedmon Unit -I-6

Location: North Hickory

Latitude: 2200' FNL B 7700' FEL

Section: 6 Twp 28 S., Rng. 8 East

County: Butler State: Kansas

Drilling: C 8 G Drilling

Log No: 01-10-2012

Drilling Date: 01-19-2012

Time: 3200

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

Time: 1900

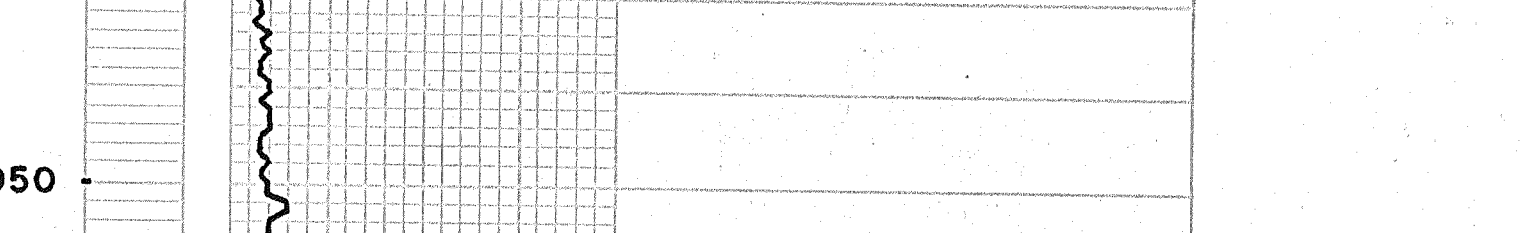
Time: 1900

Time: 1900

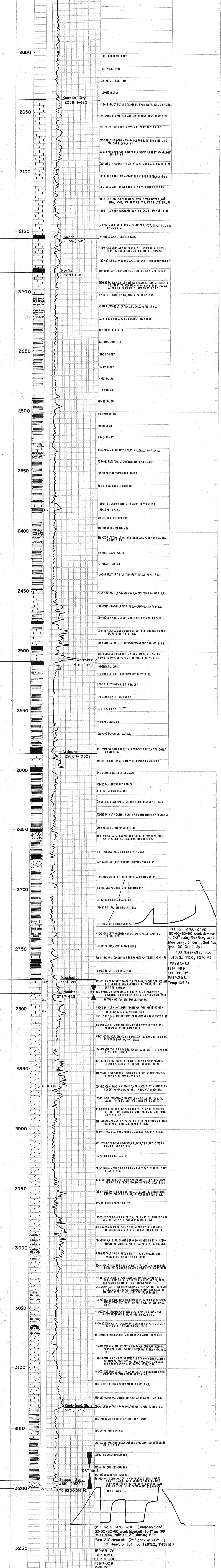
REMARKS: Due to the results of DST no. 2, the operator elected to run casing to further test the Simpson Sand for commercial production. Before abandonment perforate 3069-3071, 2780-84, and 2067-2069

Respectfully submitted,
[Signature]
Dave Collewert

LEGEND



SCALE: 5" = 100'



DEPTH
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250

LITHOLOGY
DST's
DRILLING TIME - Min Per Ft.
Rate of Penetration 5" 10" 15"
KANSAS CITY 2039 (-483)
Swope 2155 (-599)
Herfho 2184 (-628)
Cherokee Sh 2509 (-953)
Ardmore 2586 (-1030)
Mississippi 2775 (-1219)
Dolomite 2787 (-1231)
Kinderhook Shale 3132 (-1576)
Simpson Sand 3194 (-1638)
RTD 3200 (-1644)

SAMPLE DESCRIPTIONS
REMARKS

1199-2001 SH, LT GR

102-120 SH, LT GR

111-211 SH, LT GR

122-311 SH, LT GR

132-421 SH, LT GR & LS TAN-BRN V. FN XLN TR. POSS NO VIS @ HS

140-521 LS CRN-WH-TAN V. FN XLN SL FOSS-FOSS NO VIS @ HS

153-621 LS TAN V. FN XLN FOSS & SL, SILTY NO VIS @ HS.

163-721 LS CRN-TAN V. FN-FN XLN FOSS. TR. PPT @ HS & LS WR. SOFT CHALK HS

173- 821 LS CRN-TAN CRYP TOXIN DENSE & CHERT WH-TAN-GRY SH. WP HS

183-911 LS CRN-TAN V. FN XLN W/ SOME CHERT A.A. TR. PPT @ HS

192-011 LS CRN-TAN V. FN-FN XLN P PPT & INTERGRN @ HS

102-1011 LS CRN-TAN V. FN-FN XLN & PPT & INTERGRN @ HS

112- 211 LS CRN-TAN V. FN XLN SL FOSS. P.PPT & INTER XLN @ HSFO, HSGB, 5% SCTYRD @ HS, NO O.D., TR. DULL FL.

122-311 LS CRN-WH-FN-FN XLN SL-CHAL NO VIS @ HS

132-431 LS CRN-TAN-LT GR V. FN-FN XLN, SILTY, CHALKY & SL. POS NO VIS @ HS.

144-531 LS A.A. HS & SH. BLK CARB.

154-6 431 LS CRN-TAN V. FN-FN XLN, V. SL FOSS. P.PPT @ HSFO, TR SCTYRD STR @ FAINT @ O.D. TR. DULL FL. 99% HS

165-741 LS AA, W/ SHOWS A.A. & LS TAN-LT GR DENSE NO HS

175-821 LS CRN-LT GRY CRYP TOXIN DENSE NO VIS @ & TR. SH BLK

183-921 SH. BLK CARB & LS CRN-WH-FN XLN SL FOSS, SL, CHALKY, TR. WH. CHERT TR. POOR PPT @ HSFO, HSGB, TR. SCTYRD STR V. FAINT @ O.D. BARE DULL FL. 89% TIGHT W/ HS.

193-021 SILT STONE, LT GRY, CALC. NICA NO VIS @ HS

103-111 SILTSTONE LT GRY NICA, SL. CALC. NOVIS @ HS.

112- 211 SILT STONE A.A. HS GRADING INTO GRY SH.

122-311 SH, GRY SILTY

132-411 SH, GRY SILTY

142-511 SH, GRY

151-601 SH, GRY

161-701 SH, GRY

171-801 SH, GRY

181-901 SH, GRY

191-2300 SH, GRY

101-101 SH, GRY

111-201 SH, GRY

122-321 LS TAN-BRN FN XLN SILTY & SL, CHALKY NO VIS @ HS.

133-421 SILTSTONE LT GREENISH GRY & SH, LT, GR

143-511 SH, LT GREENISH GRY & BROWN

152-611 SH, BRICK REDDISH BRN

162-711 LS CRN-WH CRYP TOXIN DENSE NO VIS @ HS.

172-821 LS A.A. HS

183-931 SH, LT GREENISH GRY

193-031 SH, LT GREENISH GRY

103-131 SH, LT GREENISH GRY

113-241 SILTSTONE LT GRY, CRYP TOXIN DENSE NO VIS @ HS. NICA. NO VIS @ HS.

123-341 SILTSTONE A.A. HS

133-441 SH, LT GRY-GRY

143-541 SH, LT, GRY & LS TAN-BRN V. FN XLN NO VIS @ HS.

153-641 SH, GRY & LS TAN-BRN V. FN XLN-CRYP TOXIN NO VIS @ HS.

163-741 LS A.A. HS & SH GRY & GREENISH GRY & TR. BLK CARB.

174-841 SH, BLK CARB & GREENISH GRY & LS CRN-TAN FN XLN SL FOSS NO VIS @ HS.

183-941 LS A.A. HS & LS GRY W/ ACZESTONE SILTY NO VIS @ HS

193-041 SH, GREENISH GRY & BLACK CARB. & LS A.A. HS

104-141 LS TAN-LT GRY V. FN XLN-CRYP TOXIN NO VIS @ HS.

114-191 SILTSTONE LT GREENISH GRY NO VIS @ HS.

120-241 SILTSTONE A.A. HS & SH, GRY

132-341 SH, GRY-LT GREENISH GRY

139-441 SH, GRY

149-621 SH, DARK GRY

163-701 SH, DARK GRY SL, CALC.

171-801 SH, DARK GRY & SH, BLK & LS CRN-TAN V. FN XLN V. SL, CHALKY NO VIS @ HS

181-931 LS CRN-TAN V. FN XLN V. SL, CHALKY NO VIS @ HS.

194-2001 SH, GRY & BLK & LS A.A. HS

101-111 SH, GREENISH GRY & BLACK

112- 181 SH, GREENISH GRY

121-301 SH, BLACK CARB, SH, GRY & GREENISH GRY SL, CALC.

131-301 SH, GRY & GREENISH GRY W/ TR. INTERBEDDED V. FN CRD SO

140-521 SH, LT, GRY W/ TR. PYRITE

153- 591 SH, A.A. & SST WH-TAN SILTSH. QZOSE HE SL. CALC. MATYX, SEMI, CLAUD, NICA, FOR @ HS.

160-711 SSTA. A. HS & SH, CHERT, GRY & BRN

172-781 SH, GRY, GREENISH GRY & BROWN & SST A.A. HS

179-891 SH, GREEN W/ INTERBEDDED V. FN CRD SO, HS

190-991 SH, BLACK CARB-L SH, GREENISH GRY

12700-041 SH, BLK & DARK GRY

109-101 SH, GRY, GREENISH GRY & BRN

117-291 SH, GRY & GREENISH GRY

130-381 SH, GRY & GREENISH GRY & LS TAN V. FN XLN CLAUD. @ SILTY, NO VIS @ HS

138-481 SH, GRY, GREENISH GRY & BROWN

149-571 SH, VARICOLORED & LS BRN FN-FN XLN TR. POSS NO VIS @ HS

158-721 SH, GRY & GREENISH GRY

173-811 LS CRN-TAN V. FN-FN XLN TR. POSS. TR. CHERT, TR. POOR PPT & INTERGRN & V. SSSO SCTYRD STR, FAIR @ O.D. 90% TITE & BARREN

184-921 LS A. W/ SHOWS A.A. & DOLD TAN V. FN-FN XLN, SL, SUCCROSIC. P-P PPT & INTERGRN & TR. YUG @ SSSO, SSSO, SCTYRD-SAL TAN TAN, FAIR @ O.D. FAIR FL.

163- 801 LS CRN-TAN-BRN FN-MED XLN FOSS DEUSE NO VIS @ HSFO, HSGB, NO STN, HO ODOR, NO FL.

102-051 LS TAN-BRN-GRY MOTTLED FN-MED XLN FOSS NO VIS @ HS

106-141 LS A.A. HS & DOLD TAN-BRN V. FN XLN SILTY NO VIS @ HS & ABUNDANCE OF WH. CHALK & SOFT

05-231 LS DOLD, CRN-TAN V. FN-FN XLN TR. CLAUD, TR. PPT @ HS ABUNDANCE OF WH. SOFT CHALK

124-341 DOLD TAN V. FN XLN SL, SUCCROSIC, SL, SILTY TR. PPT @ HS & WR. SOFT CHALK.

134-431 DOLD CRN-TAN V. FN-FN XLN TR. PPT @ & CHERT WH-TAN-LT GRY OP, TR. POSS HS, NO STN, NO ODOR, NO FL.

144-541 DOLD TAN V. FN XLN P. INTERGRN @ DLOTS OF CHERT WH-TAN-LT GRY, OP. SL FOSS NO VIS @ HS.

150-641 DOLD CRN-TAN V. FN-FN XLN TR. CLAUD, P.PPT & INTERGRN & CHERT WH-TAN SH. OP HS

163-731 DOLD CRN-TAN-LT GRY W/ MOTTLED V. FN XLN TR. FOSS, TR. CLAUD, P. PPT & XLR @ HS (MUCH LESS CHERT)

174-841 DOLD TAN-GRY-BRN V. FN XLN SILTY W/ INTERBEDDED CH. WH-LT GRY, MODULAR & SPIC. TR. CLAUD & TR. PYRITE NO VIS @ HS.

182-911 DOLD CRN-TAN V. FN-FN XLN W/ INTERBEDDED WH. CHERT @ O.D. CLAUD, P-PPT & INTERGRN @ HS.

192-011 DOLD A.A. MORE PELLETAL & CHERT A.A. P-F @ HS.

002-121 DOLD CRN-TAN FN-MED XLN SL, FOSS, TR. CLAUD & PPT @ & CH WH-LT GRY OP. HS.

113-211 DOLD & CHERT A.A. HS

122-321 DOLD & CHERT A.A. HS & DOLD TAN V. FN XLN SUCR. P. PPT & XLR @ HS.

133-441 DOLD CRN-TAN-LT GRY V. FN-FN XLN SL, PELLETAL MOTT. CLAUD & CHERT WH-TAN OP. P. PPT & XLR @ HS.

144-541 DOLD TAN V. FN XLN SL, FOSS, SL, CLAUD W/ INTERBEDDED CHERT WH-TAN SH. OP. V. POOR INTERGRN @ HS.

153-621 DOLD & CHERT A.A. HS

173-811 DOLD CRN-TAN V. FN-FN XLN, SL, CLAUD, SL, CHALKY? & TR. CHERT WH-TAN OP V. POOR XLN @ HS

170-911 DOLD TAN-BRN V. FN XLN SL, CLAUD W/ INTERBEDDED WH. CHERT NO VIS @ HS, NO STN, HO OD, NO FL.

186-051 DOLD BRN V. FN XLN SILTY TR. CLAUD, TR. CHERT, NOVIS @ HS NO STN HO OD.

106-141 DOLD DARK BRN V. FN XLN SILTY TR. CLAUD W/ INTERBEDDED CHERT WH-LT GRY OP NO VIS @ HS, NO STN, HO OD, NO FL.

114-241 DOLD & CHERT A.A. HS & DOLD TAN-BRN V. FN XLN-FNXL W/ CHERT LT GRY SH. OP. V.P. INTERGRN @ HS, NO STN, HO OD, FEW PEESES DULL MATR. FL. (MAY BE HYDROCARBON FL.)

123-331 DOLD TAN FN-FN XLN W/ STRONGS OF GRY SH. MOST W/ NO VIS @ HS. 2 PIECES W/ V. INTERGRN @ HSFO, HSGB, SCTYRD TAN TAN, HO OD. FAIR FL. (BEST OF SFL IS BARREN)

134-431 DOLD CRN-TAN-SH-GRY-BRN V. FN XLN W/ TR. INTERBEDDED WH-LT GRY CHERT NO VIS @ HS. NO STN HO OD. NO FL.

144-531 DOLD CRN-TAN-FN-FN XLN TR. PYRITE & NICA FOSS V. POOR INTERGRN @ HS, NO STN, HO OD, NO FL.

154-631 DOLD A.A. HS GRADING INTO DOLD BRN V. FN XLN SILTY NO VIS @ HS NO STN HO OD. NO FL.

164-731 DOLD DARK GRY-BRN V. FN XLN SILTY & ARGILL. NO VIS @ HS

174-811 DOLD CRN-TAN-LT GRY V. FN-FN XLN GRANULAR/SUBROG. TR. PYRITE & NICA. P-P PPT & INTERGRN @ HS, NO STN, HO OD

182-931 DOLD A. J CHIPS W/ SPTD TAN STR HO O.D. DULL FL. (80% BARREN) SH, GRY & SOFT WH. CHALK & DOLD CRN-LT GREENISH GRY V. FN XLN NO VIS @ HS. NO STN HO OD, NO FL.

194-031 DOLD CRN-LT GRY V. FN XLN SL, SILTY, TR. INTERBEDDED CHERT WH-LT GRY OP-TRANSPARENT NO VIS @ HS.

006-1401 DOLD LT GRY V. FN XLN DENSE NO VIS @ HS.

105-2001 DOLD CRN-LT GREENISH GRY V. FN XLN DENSE NO VIS @ HS.

124-311 LS CRN-TAN V. FN XLN-CRYP TOXIN TR. POSS NO VIS @ HS.

132-421 SH, DARK GREENISH GRY-DARK GRY PISSELE

143-521 SH, DARK GRY, FISS.

153-621 SH, DARK GRY-CHOCOLATE BRN & TR. DOLD IRON CRET DEESE NO VIS @ HS.

163-721 SH, DARK GRY-DARK BRN

173-811 SH, DARK GRY-DARK BRN

182-931 SH, DARK GRY-DARK BRN

194-2201 SST CLEAR-LT GRY V. FN-FN CRD @ 2000; SUBROG BRITTLE HARD SL. CALC. AT TOP V. P. @ GRADING BROWN'S P. SFO HSGB SCTYRD-SAL STR @ ODOR, BRIGHT DOLD FL.

DST no. 2 3170-3200 (Simpson Sand)
30-60-60-80 weak blow built to 14" IFP
Weak blow built to 2" during FFP
Rec: 30' clean oil, (29' grav at 60' F.)
50' Heavy oil cut mud (26%O, 74% M.)
IFP: 65-78
ISIP: 1050
FFP: 81-86
FSIP: 1009
Temp 112° F

DST no. 1 2780-2792
30-60-60-90 weak blow built to 2 1/2" during first flow, weak blow built to 5" during 2nd flow
Rec: 120' Gas in pipe
100' Gassy oil cut mud (4% G, 14% O, 82% M.)
IFP: 62-82
ISIP: 499
FFP: 88-85
FSIP: 393
Temp 105° F