

25-995-4W

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GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR	RITCHIE EXPLORATION, INC.		
LEASE	#1 FARMER 25A		
FIELD	WILDCAT		
LOCATION	460' ENL - 700' FEL		
SEC.	25	TWP.	29 ^S
COUNTY	SEAGWICK	STATE	KANSAS
CONTRACTOR	VNL ENERGY, INC. Rig #3		
COMM.	1-28-13	COMP.	2-08-13
RID	446L'	LOG TO	4469'
SAMPLES SAVED FROM	2800	TO	T.D.
DRILLING TIME KEPT FROM	1900'	TO	T.D.
SAMPLES EXAMINED FROM	2200	TO	T.D.
GEOLOGICAL SUPERVISION FROM	1900	TO	T.D.
RUD UP	2622'	TYPE MUD	CHEMICAL
API #	15-173-21016-00-00		
FORMATION	LOG	SAMPLE	STRUCT.
TOPEKA	2890 (-922)	2287 (-925)	-38'
QUEEN HILL	2444 (-1100)	2441 (-1097)	-23'
HEBERER	2283 (-1383)	2480 (-1380)	-105'
DOUGLAS	2650 (-1388)	2748 (-1386)	-51'
KANSAS CITY	3258 (-1896)	3255 (-1893)	-39'
STARKE SHALE	3357 (-1997)	3352 (-1994)	-23'
HUSHPUCKNEY	3408 (-2044)	3405 (-2043)	-42'
MARSHALL	3518 (-2156)	3515 (-2153)	-22'
PAWNET	3610 (-2248)	3606 (-2244)	-32'
CHESTER	3685 (-2323)	3684 (-2322)	-43'
MISSISSIPPIAN	3902 (-2544)	3903 (-2541)	-42'
KINDERHOOK	4193 (-2831)	4190 (-2828)	-1'
SIMPSON	4322 (-2960)	4321 (-2959)	-31'
ARBUCKLE	4420 (-3058)	4417 (-3055)	-24'

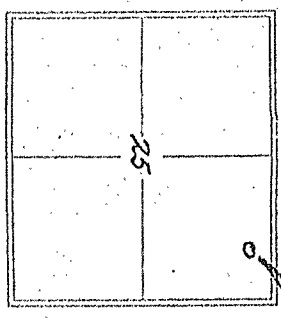
ELEVATION	KB 1362'
DF	1352'
Measurements Are All	From K.B.

CASING RECORD

SURFACE 8 5/8" @ 244'

PRODUCTION N/A

WELL LOG SURVEYS
MAGNABOAS
COMP.-NEUT.-DENS.
DUAL INDUCTION



REFERENCE WELL FOR STRUCTURAL COMPARISON #1-19 FARMER (19-29^S-3^W) NE-SE-NE, SEAGWICK CO., KANSAS

REMARKS IT WAS RECOMMENDED THAT THIS WELL (#1 FARMER 25A) BE PLUGGED AND ABANDONED ON 2-08-13. POOR STRUCTURAL POSITION; LACK OF ZONE DEVELOPMENT AND F-LOG EVALUATION WERE THE PRIMARY REASONS FOR THIS RECOMMENDATION.

RESPECTFULLY SUBMITTED
BY: PATRICK J. DEENIHAN
PETROLEUM GEOLOGIST

Drilling Time Minutes/Foot	Depth	Gas Curve	DST	LITH	Sample Descriptions	Remarks
0 5' 10' 15'	2200				1100 A.M. PENETRATION	27.2 BACKGROUND GAS
					1-28-13-MIRU-(SPUD 9:30 P.M.)	
					1-29-13 - 84'	
					1-30-13 - 266'	
					1-31-13 - 952'	
					2-01-13 - 1742'	

CLOCK STOPPED
REWOUND

50

TOPEKA

2287 (-925)

2300

50

2400

LECOMPTON

2419 (-1052)

QUEEN HILL

2441 (-1079)

2-02-13 = 2841
2-03-13 = 3080
2-04-13 = 3443
2-05-13 = 3780
2-06-13 = 4219
2-07-13 = 4326
2-08-13 = 4426 RTD

SH, BLACK, GRAY-ARGIL

SH, A/A SLT-VARI-COLOR

SH, BLACK & GRAY-ARGIL

LS, WHT CRM-SING-FN-XLN
SLT-FSSL SUB CHALKY

SH, GRAY, SLT-VARI-COLOR

LS, GRAY, TAN-SING-FSSL-FN-XLN
SUB-CHALKY-NO SHOW

LS, WHT CRM-SING-MICRO XLN
FSSL-TITE-NO SHOW

LS, CRM, TAN-SING-FN-XLN-SLT
FSSL

SH, GRAY-ARGIL

LS, LT TAN-WHT-V-FN-XLN
SLT-FSSL

LS, A/A
SH, VARI-COLOR

LS, WHT CRM-SING-FSSL
P-FN-XLN-SUB CHALKY

LS, A/A INCR. IN WHT CHALKY
LIME

SH, GRAY-BLACK, BRN-ARGIL

SH, BLACK CARB

29.2 BACKGROUND
GAS

SAMPLES VERY SHALEY

SAMPLES VERY SHALEY

32.2 BACKGROUND
GAS

50

SH, VARI-COLOR

SAMPLES VERY SHALEY

O READ

SH, VARI-COLOR

2470 (-1108)

LS, WHT, LT GRAY - SING - FSSS
MICRO - XLN TO FINE XLN W/ APP-
TO SHALLOW VUG, Ø - NO SHOW

2500

✓

✓

✓

35.8 BACKGROUND
GAS

LS, WHT - SING - P-FN - XLN, TRC
OF FSSS, SUB-CHALK - NO
SHOW

✓

✓

SAMPLES VERY SHALEY

50

LS, WHT CRN, LT GRAY - SING -
TO SV - MOTT - MICRO - FINE - XLN
TRC OF P-FSSS - SUB-CHALK

LS, A7A - INCR IN SHALE

LS, A7A W/ GRAY SV

SH, GRAY, BRN, GRN - ARGIL

2600

LS, LT GRAY, CRN - SING / MOTT
FSSS, SV - CRN TO FINE - XLN
NO SHOW

✓

✓

DISPLACE MUD @ 2622'

VIS: 50 WT: 8.8 WL: 9.4
CHL: 1500 ppm LCM: 0

LS, WHT, CRN, LT GRAY - SING
P-FN - XLN, TRC OF FSSS
SUB-CHALK W/ DEPTH
NO SHOW

50

SH, VARI-COLOR

SAMPLES VERY SHALEY

SH, BLACK CARD

HEERDER SHALE

2680 (-1380)

2700

* - CFS - 20" - 40"

TORONTO

2718 (-1356)

DOUGLAS

50

2748 (-1386)

2800

50

LS, WHIT-TAN, LT GRV, SING, MOTT
THE MICRO-XEN, P-FSS, SUB
CHALKY DIVERSE

SH, BLACK CARB

SH, BLACK GRV, GRN, BAN,
ARGL (SOME BLACK
CARB-STUFF)

SH, VARI-COLOR

SH, BLACK & DARK GRV

LS, TAN, LT GRV, SING, MOTT
FSS, IN-XEN-NO SHOW

LS, (A)A - CHALKY

SH, GRV'S, SIL-VARI-COLOR

LS, CRM-TAN-SING-FA-XEN-TRC
OF FSSILS

LS, WHIT-LT GRV-CRM-SING
FSS & CHALKY

LS, (A/A W) LT GRV, GRV SH

SH, GRV TO DK GRV, -ARGIL

SH, BLK, DK GRV - PLATY TO
SILTY

SS, GRV-CLARK-SUB-RO-FA-GRN
SORTED-FRI-ARGIL-NO
SHOW

SH, GRV DK GRV - SILTY - BLACK
PLATY

SH, GRV'S - SILTY

✓
40.3 BACKGROUND
GAS

SAMPLES VERY SHALEY

✓
41.0 BACKGROUND
GAS

NAME	
AGE	
SEX	
HEIGHT	
WEIGHT	
HAIR	
COMPLEXION	
SCARS	
TEETH	
GLASSES	
RELIGION	
EDUCATION	
PROFESSION	
HOBBIES	
SPORTS	
TRAVEL	
DRUGS	
ALCOHOL	
SMOKING	
TOBACCO	
REMARKS	

1. ☒ 2. ☒ 3. ☒ 4. ☒ 5. ☒ 6. ☒ 7. ☒ 8. ☒ 9. ☒ 10. ☒ 11. ☒ 12. ☒ 13. ☒ 14. ☒ 15. ☒ 16. ☒ 17. ☒ 18. ☒ 19. ☒ 20. ☒ 21. ☒ 22. ☒ 23. ☒ 24. ☒ 25. ☒ 26. ☒ 27. ☒ 28. ☒ 29. ☒ 30. ☒ 31. ☒ 32. ☒ 33. ☒ 34. ☒ 35. ☒ 36. ☒ 37. ☒ 38. ☒ 39. ☒ 40. ☒ 41. ☒ 42. ☒ 43. ☒ 44. ☒ 45. ☒ 46. ☒ 47. ☒ 48. ☒ 49. ☒ 50. ☒ 51. ☒ 52. ☒ 53. ☒ 54. ☒ 55. ☒ 56. ☒ 57. ☒ 58. ☒ 59. ☒ 60. ☒ 61. ☒ 62. ☒ 63. ☒ 64. ☒ 65. ☒ 66. ☒ 67. ☒ 68. ☒ 69. ☒ 70. ☒ 71. ☒ 72. ☒ 73. ☒ 74. ☒ 75. ☒ 76. ☒ 77. ☒ 78. ☒ 79. ☒ 80. ☒ 81. ☒ 82. ☒ 83. ☒ 84. ☒ 85. ☒ 86. ☒ 87. ☒ 88. ☒ 89. ☒ 90. ☒ 91. ☒ 92. ☒ 93. ☒ 94. ☒ 95. ☒ 96. ☒ 97. ☒ 98. ☒ 99. ☒ 100. ☒ 101. ☒ 102. ☒ 103. ☒ 104. ☒ 105. ☒ 106. ☒ 107. ☒ 108. ☒ 109. ☒ 110. ☒ 111. ☒ 112. ☒ 113. ☒ 114. ☒ 115. ☒ 116. ☒ 117. ☒ 118. ☒ 119. ☒ 120. ☒ 121. ☒ 122. ☒ 123. ☒ 124. ☒ 125. ☒ 126. ☒ 127. ☒ 128. ☒ 129. ☒ 130. ☒ 131. ☒ 132. ☒ 133. ☒ 134. ☒ 135. ☒ 136. ☒ 137. ☒ 138. ☒ 139. ☒ 140. ☒ 141. ☒ 142. ☒ 143. ☒ 144. ☒ 145. ☒ 146. ☒ 147. ☒ 148. ☒ 149. ☒ 150. ☒ 151. ☒ 152. ☒ 153. ☒ 154. ☒ 155. ☒ 156. ☒ 157. ☒ 158. ☒ 159. ☒ 160. ☒ 161. ☒ 162. ☒ 163. ☒ 164. ☒ 165. ☒ 166. ☒ 167. ☒ 168. ☒ 169. ☒ 170. ☒ 171. ☒ 172. ☒ 173. ☒ 174. ☒ 175. ☒ 176. ☒ 177. ☒ 178. ☒ 179. ☒ 180. ☒ 181. ☒ 182. ☒ 183. ☒ 184. ☒ 185. ☒ 186. ☒ 187. ☒ 188. ☒ 189. ☒ 190. ☒ 191. ☒ 192. ☒ 193. ☒ 194. ☒ 195. ☒ 196. ☒ 197. ☒ 198. ☒ 199. ☒ 200. ☒ 201. ☒ 202. ☒ 203. ☒ 204. ☒ 205. ☒ 206. ☒ 207. ☒ 208. ☒ 209. ☒ 210. ☒ 211. ☒ 212. ☒ 213. ☒ 214. ☒ 215. ☒ 216. ☒ 217. ☒ 218. ☒ 219. ☒ 220. ☒ 221. ☒ 222. ☒ 223. ☒ 224. ☒ 225. ☒ 226. ☒ 227. ☒ 228. ☒ 229. ☒ 230. ☒ 231. ☒ 232. ☒ 233. ☒ 234. ☒ 235. ☒ 236. ☒ 237. ☒ 238. ☒ 239. ☒ 240. ☒ 241. ☒ 242. ☒ 243. ☒ 244. ☒ 245. ☒ 246. ☒ 247. ☒ 248. ☒ 249. ☒ 250. ☒ 251. ☒ 252. ☒ 253. ☒ 254. ☒ 255. ☒ 256. ☒ 257. ☒ 258. ☒ 259. ☒ 260. ☒ 261. ☒ 262. ☒ 263. ☒ 264. ☒ 265. ☒ 266. ☒ 267. ☒ 268. ☒ 269. ☒ 270. ☒ 271. ☒ 272. ☒ 273. ☒ 274. ☒ 275. ☒ 276. ☒ 277. ☒ 278. ☒ 279. ☒ 280. ☒ 281. ☒ 282. ☒ 283. ☒ 284. ☒ 285. ☒ 286. ☒ 287. ☒ 288. ☒ 289. ☒ 290. ☒ 291. ☒ 292. ☒ 293. ☒ 294. ☒ 295. ☒ 296.

42.2 BACKGROUND GAS

LATAN

2931(-1569)

		25. CRM. AT. GRV. TAN-FN 30N NO SHOW
		SH. BLACK. GRV-OK. GRV-BLK ARGIL
		SH. 17A-3674
		✓
		✓

50

3000

43.6 BACK GROUND
GAS

* 3017.25 4000.00

50

WESTON

3075(-1713)

*-CFS-20"-40"

* - CFJ - 20" - 40" - 60"

3100

46.2 BACKGROUND

V. VIH LAS

3162 (-1808)

3200

* - CFS - 20" - 40" - 60"

50

KANSAS CITY

3255 (-1893)

3300

LS, GRAY TAN - SING / SCL - MOTT
FOS - KLN, FSSS - CHALKY
No SHOW

SH, DK GRAY - ARG - FSSS

LS, GRAY - SING - FOS - KLN -
FOS OF FSSS - No
SHOW

SH, DK GRAY - SILTY

SH, DK GRAY - ARG - SILTY

SH, DK GRAY

SH, GRAY - DK GRAY - ARGIL
SILTY

LS, LT GRAY, CRM - TAN FOS - KLN
SH - FSSS - No SHOW

LS, CRM, LT GRAY - SING FOS - KLN - TAN
OF CHALKY FSSS - No SHOW

SH, LT GRAY, GRAY - ARGIL

LS, CRM, LT GRAY - FSSS - FOS - KLN
SUB - CHALKY - No SHOW

SH, GRAY, DK GRAY - ARGIL

LS, WHI, CRM - SING - FOS - KLN - F -
FSSS & IN A FEW PCS -
CHALKY No SHOW

LS, WHI, CRM, TAN - FOS - KLN -
F - FSSS & - CHALKY NO
DEPTH - No SHOW

LS, WHI, CRM - SING / CHALKY
F - MICRO - KLN - No SHOW

LS, WHI, CRM, GRAY, SING / CHALKY

VIS: 31 DT: 9.2 WA: 6A
CHL: 6,000 ppm LCM: OK

49.5 BACKGROUND
GAS

SAMPLES VERY SHALEY
58.4 BACKGROUND
GAS

50

* CF5-20"-40"-60"

STARK SHALE

3372 (-2010)

* - MOVED DOWN FOR CONT.
* - CF5-20"-40"-60"

3400

HUSH PUCKNEY

3405 (-2043)

50

3500

MARMATON

3515 (-2153)

NO SHOW

LS, A) A SLI-F3SL-NO SHOW

LS, WHT, TAN, BRN / SING /
MICRO & FN-XLN, SH-F3SL
SUB-CHALKY-NO SHOW

LS, CRM, GRV-SING/MOTT-FN-XLN
MICRO-XEN-CHART-FRANS. to
DRIVE-FRESH COYRE OF
FOOLS-NO SHOW

SH, BLACK CARB.

SH, BLACK CARB
LS, CRM-SING-F3SL-DOCK, DOCK

LS, TAN-SING/MOTT-FN-XLN-TO
DOCK DOCK - 1 PCS. W) BRN
LFO-EDGE STN ON FID PCS
NO DOOR-NO FLUOR-NO GAS
KICK

LS, CRM, GRV-SING-MICRO-
XLN-SUB-CHALKY-NO
SHOW

61.2 BACKGROUND
GAS

SH, BLACK CARB

LS, CRM-TAN/SING/P.FN-
XLN-SUB CHALKY-NO SHOW

SH, GRV, SLI-VARI-COLOR

SH, BLACK, GRV-ARGIL

LS, WHT, CRM, GRV, BRN-SING/
MOTT-FN-XLN-F3SL-SH
DOCK, -NO SHOW

SH, GRV, DK GRV & BLACK
PLATE & ARGIL

SH, VARI-COLOR-ARGIL-
F3SL

SH, BLACK CARB

LS, CRM, TAN, LT GRV-FN-XLN
MICRO-XLN-P.F.P. IN
VIA FEW PCS-NO SHOW

SH, DK GRV-ARGIL-TRC
OF BLACK PLATE

LS, WHT, CRM, LT GRV-SING-
FN-XLN-NO SHOW

SH, BLACK CARB

65.0 BACKGROUND
GAS

-VIS: 50 WT: 9A WU: 80
CHL: 7000 PPM LCA: 0%

50

LS, WHIT, LT GRAY, CRN-TAN-
SING, P-FSSL-XLN-SUB
CHALKY - NO SHOW

3600

PAWNEE
3606 (-2244)

SH, BLACK CARB.
SH, GRYS - VARI-COLOR
ARGIL - FISSILE

69.3 BACKGROUND
GAS

LS, GRAY-TAN, SING TO SH, MOTT
MICRO-XLN - NO SHOW

LS, A/D WITH TRAC OF FSSL
S-SH-CHALKY

50

LABETTE

3639 (-2297)
FORT SCOTT
3666 (-2304)
CHEROKEE SHALE

SH, BLACK CARB
LS, CRN TAN, LT GRAY-SING-FN-
XLN, P-FSSL-SH-CHERTY
A SUB CHALKY - NO SHOW

3700

3684 (-2322)

SH, BLACK CARB
LS, CRN, LT, GRAY-SING-FN-
MICRO-XLN - NO SHOW
SH, GRV-ARGIL
LS, WHIT, CRN, SING-FN-XLN
NO SHOW
SH, GRV & CRN-ARGIL

76.4 BACKGROUND
GAS

LS, WHIT, CRN-FN-XLN-SUB
CHALKY
SH, VARI-COLOR

LS, LT GRAY TAN-SING-MICRO
XLN-NO SHOW

SH, GRYS & VARI-COLOR

SH, VARI-COLOR

50

LS, GRAY-SING, FN-XLN-NO
SHOW

3800

50

* -CFS-20"-40"-60"

3900 MISSISSIPPIAN
3903(-2541)

50

SH, GRYS - VARI-COLOR

LS - GRAY TAN - SING - NO XIN
SUBCHALKY - NO SHOW
SH, DR GRY, GRV - ARGIL

SH, BLACK CARB

SH, DARK GRV-GRV-ARGIL

SH, GRYS - ARGIL

SH, GRV - VARI - GOLD
ARGIL & FISSILELS, WHT CRM - SING - FN - XIN
MICRO - XIN - SLI - CHARTY
NO SHOWSH, DR GRV, BLACK - VARI -
COLOR.LS TAN - CRM - SING (MOTT - FN - XIN
SLI - DOLOMITIC - NO SHOW
SAMPLE STILL VERY SHALEY
ROUND DR GRV & BLACK

DOL & LS - (A) - NO SHOW

DOL - LS - (A) - NO SHOW

LS, WHT CRM - FN - XIN SLI -
CHERT - WHT YELLOW - FRESH
TRANS TO OPAQUELS, TAN GRV - SING / MOTT
TAC OF FRESH & FRESH
CHERT - NO SHOWLS, WHT TAN, GRV - MOTT -
DENSE DOL (CAVROSIS)
CHERT - FRESH - NO SHOWDOL - TAN GRV - TITR SUPR. &
MICRO - XIN (LS) - NO SHOW
CHARTY - NO SHOW81.8 BACKGROUND
GASVIS: 51 WT: 9.6 WL: 9.6
CHI: 5000ppm LCM: 490.5 BACKGROUND
GAS

CLOCK STOPPED

50

4100

50

KINDERHOOK

4190 (2B2B)

4200

1/1 DOLO-TAN-GRY-SUCROSIc To IN
1/1 GRN-CHER-FRASH-IT
1/1 GRY-TRANGLUCENT-AMT-
1/1 YELLOW, LT PURPLE-OPAQUE
1/1 No JAW

A

10/1/74

ACA
✓
10

SAMPLE A7A-INCR IN MICRO
TUFN-XEN ES. NO. 11500

[illegible]

96.3 BACKGROUND
GAS

- 5 - A) A - 561 - SHREVE - SOME
FRESH OPAQUE GREEN
CHERT

1 A1 CHERT-JUNG/361-MOTT-FRESH
A1A WHT,TAN-YELLOW-DPAQUE
1 1 OFF,WHT-TRANSPARENT W/
A1 SOME P33L (COOL)-DOLO
A1A TAN-GRY-MICRO SUCRO-
1 1 NO SHOW

A

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

SH, VARI-COLOR.

LS, GRY-MICRO-XLN - No 3HOW

✓	DOLO-TAN-FN-XLN-SUCROSIC
✓	DENSH, LSEA)A-CHERT
✓	CHERT-FRESH XIGRY
✓	WHT-OPAQUE-TRC
✓	OF TRANSLUCENT NO
✓	SHOW

[illegible]

— — SN, PART COLOR

1 1 DOLD-GRY.TAN-SING-SUCROSIC
1 1 No SHOW

01A DOLO RJA-7AC OF PAGES
101 NOT-OPARUE CHART
NO SIGN

SH, BLACK, DK GRV - SLI - VARI-
COLOR - SLI: GLAUCONITIC

SS, WHT-SNG - P-SORTED-SILICA
MATRIX - V-FINE - NO SHOW
SS, WHT, CRM-SNG-SILICA
MATRIX - V-HARD BRITTLE
SOME MIN QZ - TAN SO
V-FN CLUSTERS - BARREN
NO FO. - NO COOR. - RARE
MICK GAS BUBBLES - CLING.

198.2 BACKGROUND
GAS

* - CFS - 20" - 40" - 60"

To Rock - QUESTIONS BUT
EDGE FLUOR - NO DEPTH
SPOTTY BRIGHT YELLOW

SH, BLACK, DK GRAY - BRN

50

SH, (A) A - SS - STRUNG
SUGAR FREE QTS - No
SHOW

VIS: 52 WT: 9.3 WL: 9.0
CHL: 2500 PPM LCM: 12.4

* - CFS - 20" - 40"

SH, VARI-COLOR - PRD.
GRY'S

* - CFS - 20" - 40" - 60"

SH, VARI-COLOR

4300

* - CFS - 20" - 40" - 60"

SH, BLACK CARB

124.4 BACKGROUND GAS

20 45 RD - CFS 30" - 60"

SH, (A) A - SS - SUB - ANG - TAN
GRY - NO F.R. NO FLUOR NO
O.DOR

* V SIMPSON SAND ①

DST # 1 (4314" - 4324")
30" - 30" - 30" - 30"
IF: WEAK SURF. BLOW
No RETURN
FF: WEAK SURF. BLOW
No RETURN
REC: 10' MCW (85%
WTR - 15% MUD)
INP: 2187 FHP 2252
IFP: 19/31 FFR 3041
ISIP: 1599 FSIP 11583
BMT: 1320 CHL: 56,000
SYS. CHL: 2500 PPM

4321 (-2959)

* - CFS - 20" - 40" - 60"

* - CFS - 30" - 60"

4321 - CLAR. IN MED SUB - RD TO
RD - SORTED - FRIOBLE - AT - MED BRN
SH - G - SWEET ODOOR - ADING MID
FLUOR - NO F.R.
4331 - SS - CLAR - MED - BRN - SUB - RD
FRIOBLE - AT - TO MED BRN STN
No F.R. NO ODDR - P - FLUOR
4340 - DECREASE IN SS - V - FLUOR
FIN - GRN - SIF - GLASS - ONTIC
No F.R. NO ODDR - SIF - FLUOR
ON EDGES OF THE SS
4350 - V - LITTLE SS - A - NO SHALE

GAS KICK AT 432
HW: 25 CHROM - 33
70" HW: 40 CHROM - 57
RECYCLE 2 TIMES
HW: 23 CHROM 32

MUD CHECK @ 4326
VIS: 51 WT: 9.4 WL: 9.0
CHL: 2000 PPM LCM: 4.4
PIPE STRAP: 1.5' LONG

50

* ALL KICKS ABOVE *
BACKGROUND GAS

SH, BLACK CARB

SH, BLACK GRY, DK GRY, GRN
BRN - ARGLE

SH, (A) A - SOME STRINGERS OF
FN - GRN - SS - NO SHOW

LS, GRY - SUB - IN - XLN - No
SHOW SH, (A) A

4400

ARBuckle

4417 (-3055)

SH, BLACK, DK GRY, VARI-COLOR
ARGLE - F1336

LS, TAN GRY - MICRO - XLN -
CHERT - FRESH - ODDOR - UNT
TAN, LT GRN - SOME VARI

50

TOTAL DEPTH

4466 (F3104)

1500

DOLD,
DOLD, TAN-NICO-XEN-SUCROSIC
No SHOW
CHERT-A7A No SHOW
DOLD-A7A No CHOW

13, TAN BRN - MICRO-XEN - TRC
OF FSL, CHART & DOLD.
A7A - NO SHOW

137 BACKGROUND
GAS