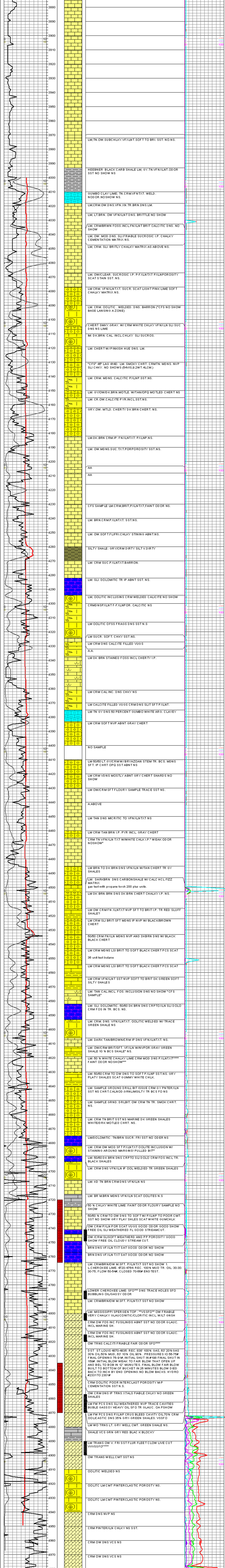
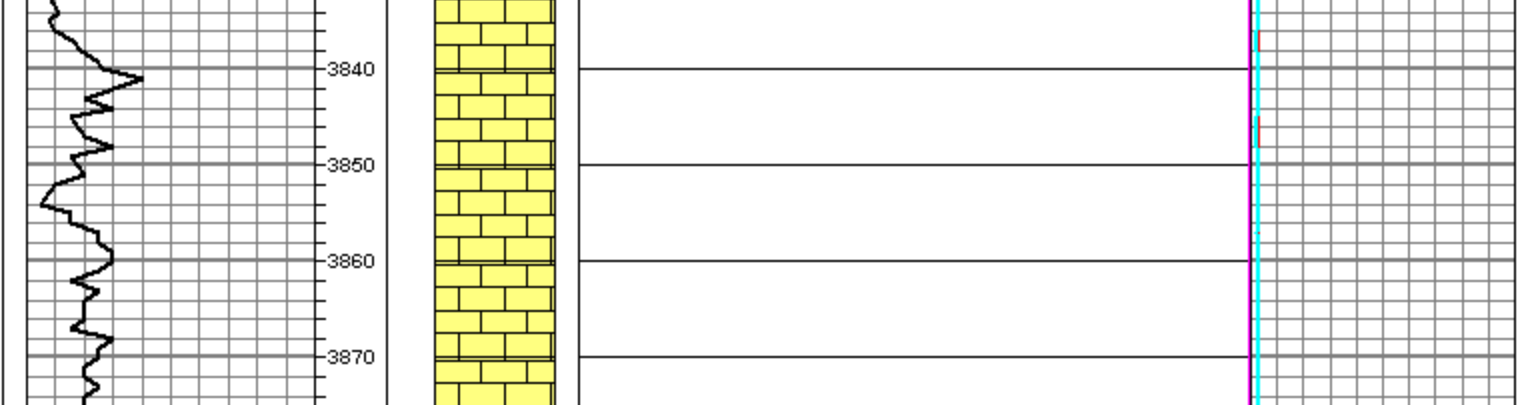


GEOLOGIST'S REPORT
Drilling Time and Sample Log

COMPANY	LASSO ENERGY		ELEVATIONS	
LEASE	AGRO 1		KB	2700'
FIELD	NA		DF	
LOCATION	Y=436034 Y=1409522 SW NW SE 1400' FSL/2265' FEL.		GL	2692
SEC	30	TWSP 25S	RGE	29S
COUNTY	GRAY		STATE	KS
CONTRACTOR	FOSSIL DRILLING RIG 2		CASING	
SPUD	03/06/2014	COMP	3/22/2014	SURFACE 8 5/8" 24# N, 1823'
RTD	4980	LTD	4980	PRODUCTION 5 1/2" TD
MUD UP	3100	TYPE MUD	CHEM	

SAMPLES SAVED FROM	3800	TO	4980	ELECTRICAL SURVEYS MIRO/DIL/GAMM CNDL/CAL/SP
DRILLING TIME KEPT FROM	3800	TO	3600	
SAMPLES EXAMINED FROM	3800	TO	3800	
GEOLOGICAL SUPERVISION FROM	3650	TO	4980	
GEOLOGIST ON WELL	CHRIS A. BEAN			

FORMATION TOPS	LOG	SAMPLES
HEEBNER	3998 (1298) -2	4004 -1304 5
TORONTO	4018 (-1318)	4020 (-1320)
LANSING	4090(-1390) 0	4088 (-1388)
BKC	4514 (1814) +2	4512 -1812 +1
CHRK SHALE	4652 (-1952) -2	4640 -1940 4
CHRK LIME	4658 (-1958) 4	4644 -1944 4
MISSISSIPPI	4789 (-2089) -1	4792 -2092 4
ST. LOUIS	4843 (-2143) +9	4857 -2157 4



LM, TN, OW SUBCHLKY, VF, XLNT, SOFT TO BRIT. SST. NO. NS.

HEEBNER BLACK CARB SHALE LM; GY, TN, VF, XLNT, ODOR SST NO SHOW NS

GUMBO CLAY LIME; TN, CRM, VF, NTXT, WELD. NODDOR, NOSHOW NS.

LM, CRM, OW, DNS, VF, N, XN, TR, BRN, DNS, LM.

LM; LT, BRN, OW, VF, N, XLNT, DNS, BRITTLE NO SHOW

LM, CRM, BR, WN, FOSS, INCL, FN, XLNT, BRIT, CALCITIC, DNS, NO SHOW

LM, OW, MOD, DNS, SLI, FRIABLE, SUCROSIC, I.P., CHALKY, CEMENTATION, MATRIX, NS.

LM, CRM, SLI, BRITLY, CHALKY, MATRIX, AS, ABOVE, NS.

LM, OW, CLEAR, SUCROSIC, I.P., F, FX, LNT, TXT, P, XLN, POROSITY, SCAT, STAIN, SST, NS.

LM, CRM, VF, N, XLNT, TXT, SUCR, SCAT, LIGHT, PINK, LIME, SOFT, CHALKY, MATRIX, NS.

LM, CRM, OOLITIC, WELDED, DNS, BARRON (CFS NO SHOW BASE LANSING A ZONE)

CHERT SMKY, GRAY, W/ CRM WHITE CHLKY, VF, N, XLN, SLI, SUC, DNS, NS, LIME

LM, DK, BRN, CAL, INCL, CHLKY, SLI, SUCROS.

LM, CHERT, W/ PINKISH, HUE, DNS, LM.

CFS 49' LAG- 4140' LM, SMOKY, CHRT, CRM, TN, MDNS, NVP, SLI, CHKY, NO SHOWS (54VIS, 9.2WT, 4LCM.)

LM, CRM, MDNS, CALCITIC, P, XLN, P, SST, NS.

LM, GY, OW, DK, BRN, MOTLE, W/ TAN, OPQ, MOTLED, CHERT, NS

LM, CR, OW, CALCITE, PYR, INCL, SST, NS.

GRY, OW, MTLD, CHERTY, DK, BRN, CHERT, NS.

LM, DK, BRN, CRM, IP, FN, XLNT, XT, P, XLN, P, NS.

LM, OW, MDNS, SUC, TXT, POR, POROSITY, SST, NS.

AA

AA

CFS SAMPLE LM, CRM, BRIT, P, XLN, TXT, FAINT, ODOR, NS.

LM, BRN, CR, M, P, XLN, XT, SST, NS.

LM, OW, SOFT, FL, FRI, CHLKY, STINING, ABNT, NS.

SILTY SHALE; GRY, CRM, DIRTY, SILT, V, DIRTY

LM, CRM, SUC, P, XLN, XT, BARRON.

LM, SLI, DOLOMITIC, TR, IP, ABNT, SST, NS.

LM, OOLITIC, INCL, US, NS, CRM, WELDED, CALCITE, NO, SHOW

CRM, DNS, P, XLN, XT, F, FX, LNP, OR, CALCITIC, NS

LM, OOLITIC, OF, SSS, FRAGS, DNS, SST, NS

LM, SUCR, SOFT, CHKY, SST, NS.

LM, CRM, DNS, CALCITE, FILLED, VUGS

AA

LM, DK, BRN, STAINED, FOSS, INCL, CHERTY, I.P.

LM, CRM, CAL, INC, DNS, CHKY, NS

LM, CALCITE, FILLED, VUGS, CRM, DNS, SLIT, SFT, P, XLN, T.

LM, TN, GY, DNS, 50, PERCENT, GUMBO, WHITE, ARG, CLAYEY

LM, CRM, SOFT, NVP, ABNT, GRAY, CHERT

NO SAMPLE

LM, 50/50, LT, GY, CRM, W/ BRYAZDAN, STEM, TR, BCS, MDNS, SFT, IP, CHRT, OPQ, SST, ABNT, NS

LM, CRM, VD, NS, MOSTLY, ABNT, GRY, CHERT, SHARDS, NO, SHOW

LM, OW, CRM, SFT, F, FLOURY, SAMPLE, TRACE, SST, NS.

A ABOVE

LM, TAN, DNS, MICRITIC, TO, VF, N, XLN, TXT, NS

LM, CRM, TAN, BRN, I.P., PYR, INCL, GRAY, CHERT

CRM, TN, VF, N, XLN, TXT, W/ WHITE, CHLKY, I.P., WEAK, ODOR, NOSHOW*

LM, BRN, TO, DK, BRN, DNS, VF, N, XLN, W/ TAN, CHERT, TR, GY, SHALES

LM, DARK, BRN, DNS, CARBON, SHALE, W/ CALC, HCL, FIZZ, MATRIX, gas test w/ propane torch 200 plus units.

LM, DK, BRN, BRN, DNS, DK, BRN, CHERT, CHALKY, I.P., NS.

LM, OW, CRM, FN, XLN, XT, NVP, SFT, TO, BRIT, I.P., TR, RED, SLUFF, SHALE?

LM, CRM, SLI, BRIT, SFT, MDNS, IP, NVP, W/ BLACK, BROWN, CHERT

50/50 CRM, FN, XLN, MDNS, NVP, AND, DK, BRN, DNS, W/ BLACK, BLACK, CHERT

LM, CRM, MDNS, LSI, BRIT, TO, SOFT, BLACK, CHERT, PCS, SCAT

38 unit test butane

LM, CRM, MDNS, LSI, BRIT, TO, SOFT, BLACK, CHERT, PCS, SCAT

LM, CRM, VF, N, XLN, T, SST, NVP, SOFT, TO, BRIT, DK, GREEN, SOFT, SILTY, SHALES

LM, TAN, CAL, INCL, FOS, INCLUSION, DNS, NO, SHOW, *CFS, SAMPLE*

LM, SLI, DOLOMITIC, 50/50, DK, BRN, DNS, CRPTO, XLN, SLI, DOLO, CRM, FOS, IN, TR, BCS, NS.

LM, CRM, DNS, VF, N, XLN, XT, OOLITIC, WELDED, W/ TRACE, GREEN, SHALE, NS

LM, DARK, TAN, BROWN, CRM, IP, DNS, VF, N, XLN, XT, NS.

LM, OW, CRM, BRN, BRIT, SFT, VF, XLN, W/ NVP, OR, GRAY, GREEN, SHALE, 10, % BCS, SHALE, NS.

LM, 50, % WHITE, CHALKY, LIME, CRM, MOD, DNS, P, XLN, XT, ****, FAINT, ODOR, NOSHOW****

LM, 50/50, CRM, TO, OW, DNS, TO, SOFT, P, XLN, P, SST, NS. GRY, PLATY, SHALES, SCAT, GUMMY, WHITE, CHLKY.

LM, SAMPLE, GRND, DR, LB, BIT, ISSUE, TR, BCS, GY, P, NTER, XLN, SST, NS. CHRT, CAL, MOD, GRN, LIMS, SILTY, TR, BRN, BACKS, HYDRO #233 TO 2301#

LM, SAMPLE, GRND, DR, LB, BIT, OW, CRM, TN, TR, SMOK, CHRT, NS.

LM, CRM, TN, BRIT, SST, NS, MARINE, DK, GREEN, SHALES, WHITE, OR, DK, MOTLED, CHRT, NS.

LM, DOLOMITIC, TN, BRN, SUCR, FRI, SST, NO, ODOR, NS

LM, CRM, OW, MOD, SFT, P, XLN, XT, OOLITE, INCLUSION, W/ STAINING, & AROUND, MARG, IN, S, PULLED, BIT**

LM, 50/50, DK, BRN, DNS, CRPTO, SLI, DOLO, CRM, FOS, INCL, TR, BLACK, SHALES

LM, CRM, DNS, VF, N, XLN, IP, OOL, WELDED, TR, GREEN, SHALES

LM, KD, TN, BRN, CRM, DNS, VF, N, XLN, NS

LM, BR, MBRN, MDNS, VF, N, XLN, SCAT, OOLITES, NS

50, % CHLKY, WHITE, LIME, FAINT, ODOR, FLOURY, SAMPLE, NO, SHOW

50/50, % CRM, TO, OW, DNS, TO, SOFT, W/ P, XLN, P, TO, POOR, CMT, SST, NO, SHOW, W/ GRY, PLATY, SHALES, SCAT, WHITE, GUMCHLKY

OW, CRM, FX, LN, FOR, SCAT, VUGS, GOOD, ODOR, GOOD, SHOW, FRIE, OIL, SLI, WEATHERED, FL, GOOD, STREAM, CUT.

OW, CRM, SLI, SOFT, WEATHERD, AND, PP, POROSITY, GOOD, SHOW, FREE, OIL, CLOUDY, STREAM, CUT.

BRN, DNS, VF, XLN, TXT, SAT, GOOD, ODOR, NO, SHOW

BRN, DNS, VF, XLN, TXT, SAT, GOOD, ODOR, NO, SHOW

LM, CRM, BRN, OW, M, SFT, P, XLN, XT, SST, NO, SHOW, 1. L, CHEROKEE, LIME, 4720-4764, REC, 100% MUD, TR, OIL, 30-30-75; FLOW 50-54#; CLOSED 70-60# END TEST.

LOWER, CHEROKEE, LIME; SFO****, DNS, TRACE, HOLES, SFO, BUBBLING, & OIL, GASSY, ODOR

LM, CRM, BRN, OW, M, SFT, P, XLN, XT, SST, NO, SHOW

CRM, OW, FOS, INC, FUSILINIDS, ABNT, SST, NO, ODOR, GLAUC, INCL, MARINE, SH.

CRM, OW, FOS, INC, FUSILINIDS, ABNT, SST, NO, ODOR, GLAUC, INCL, MARINE, SH.

OW, TRNS, CALCITIC, FRIABLE, FAIR, ODOR, SFO****

DST, ST, LOUIS, 4870-4895; REC, 838' 100% GAS, 63' 20% GAS, 30% OIL, 50% MUD, 63' 10% OIL, 90%. PRESSURES, ID, 50-75# FINAL, OPENING, 75-91#, INITIAL, SHUT, IN, #198, FINAL, SHUT, IN, 159#. INITIAL, BLOW, WEAK, TO, FAIR, BLOW, THAT, OPEN, UP, AND, BEL, TO, BOB, IN, 12" MINUTES. FINAL, BLOW, FAIR, BLOW, BUILT, TO, BOTTOM, OF, BUCKET, IN, 26, MINUTES, BLOW, DIED, BACK, TO, INCH, BY, END, OPENING, NO, BLOW, BACKS, HYDRO #233 TO 2301#

CRM, OOLITIC, POOR, INTERCLAST, POROSITY, M-P, CEMENTATION, SST, NS.

OW, CRM, DNS, IP, TRNS, XTALS, FRIABLE, CHLKY, NO, GREEN, SHALES

LM, FW, PCS, DNS, SLI, WEATHERED, NVP, TRACE, CAVITIES, BUBBLE, GASSY, HEAVY, OIL, SFO, TR, GLAUC, OA, P, SHOW

LM, FW, PCS, DNS, P, XLN, P, CRUS, BLEED, CAVITY, OIL, 70% CRM, OOLIC, ASTIC, DNS, 35% GRY, GREEN, SHALES, VSSF, O

LM, WD, TRNS, LT, GRY, WELL, CMT, GREEN, SHALE, NS.

SHALE, VCS, GRN, GRY, RED, BLAC, K, BLOCKY

LM, TRNS, OW, V, FRI, SST, FLUR, FLEET, CLOW, LIVE, CUT, VVSSFO****

OW, TRANS, WELL, CMT, SST, NS

OOLITIC, WELDED, NS

OOLITIC, LM, CMT, PINTERCLASTIC, POROSITY, NS.

OOLITIC, LM, CMT, PINTERCLASTIC, POROSITY, NS.

CRM, DNS, NVP, NS

CRM, PINTER, XLN, CHLKY, NS, SST.

CRM, OW, DNS, VCS, NS

CRM, OW, DNS, VCS, NS

CRM, OW, DNS, VCS, NS