Justin R. Prater, LLC

COMPANY	**STRATAKAN EXPLORATION, LLC**		
LEASE	**Moore 22-1**		
FIELD	**Owen East**		
LOCATION	**2255' FSL 2310 FWL**		
SEC **22**	TWSP **12s**	RGE **33W**	
COUNTY	**LOGAN**	STATE	**KS**

ELEVATIONS

KB	**3096**
DF	
GL	**3091**

Measurements are all from **KB**

CONTRACTOR	**WW Drilling Rig #10**		
SPUD	**2/4/2016**	COMP	**2/12/2016**
RTD	**4800**	LTD	**4799**
MUD UP	**3500**	TYPE MUD	**CHEM**

CASING

SURFACE	**8 5/8" @ 260'**
PRODUCTION	**4 1/2" @ 4794'**

SAMPLES SAVED FROM	**3800**	TO	**4800**
DRILLING TIME KEPT FROM	**3590**	TO	**4800**
SAMPLES EXAMINED FROM	**3800**	TO	**4800**
GEOLOGICAL SUPERVISION FROM	**3590**	TO	**4800**
GEOLOGIST ON WELL	**Justin R. Prater**		

ELECTRICAL SURVEYS

DIL/MICRO/CNDL

FORMATION TOPS	LOG	SAMPLES
STONE CORRAL	**2580 +516**	
HEEBNER SHALE MEMBER	**4004 -908**	
TORNTO LIMESTONE	**4027 -931**	
LANSING	**4047 -951**	
MUNCIE CREEK	**4198 -1102**	
STARK SHALE	**4278 -1182**	
BKC	**4358 -1262**	
MARMATON	**4384 -1288**	
PAWNEE	**4472 -1376**	
MYRICK STATION	**4514 -1418**	
FT. SCOTT	**4529 -1433**	
CHEROKEE SHALE	**4557 -1461**	
JOHNSON ZONE	**4601 -1505**	
MORROW SHALE	**4640 -1544**	
MORROW SANDSTONE	**4676 -1580**	
MISSISSIPPIAN SYSTEM	**4690 -1594**	
RTD	**4800 -1704**	

4 1/2 CASING WAS RUN TO FURTHER EVALUATE THE MORROW SANDSTONE.

RECOMMEND PERFORATIONS 4683-4685

RESPECTFULLY SUBMITTED,

JUSTIN R. PRATER

Curve Track #1

0 ROP (miin/ft) 10

0 Gamma (API) 150

0 Cal (in) 16

DEPTH

DST

LITHOLOGY

Oil Show

Geological Descriptions

TG, C1 - C5

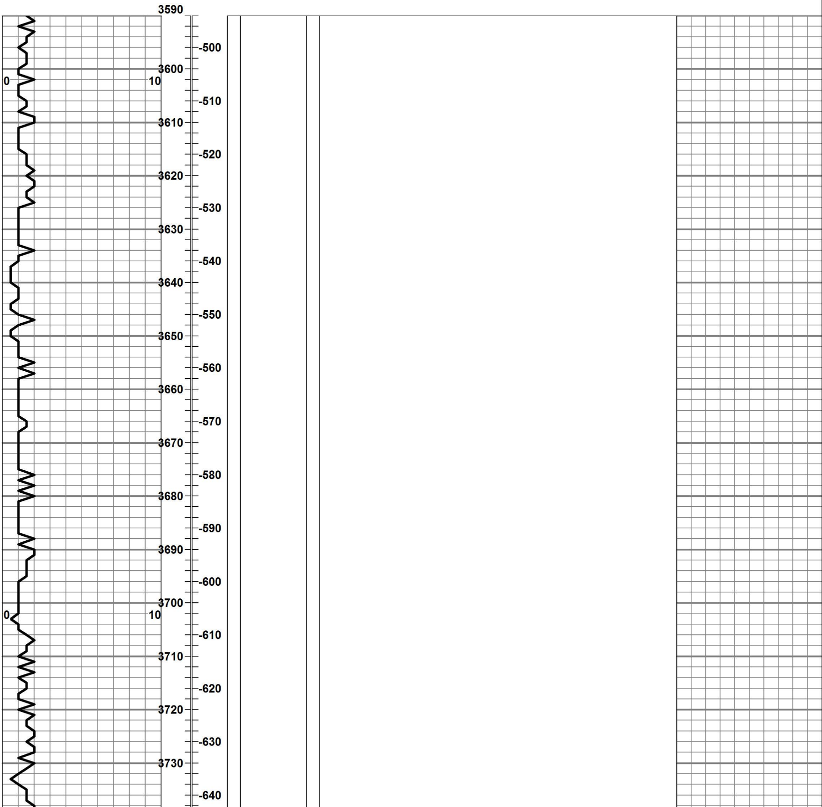
0 Total Gas (units) 100

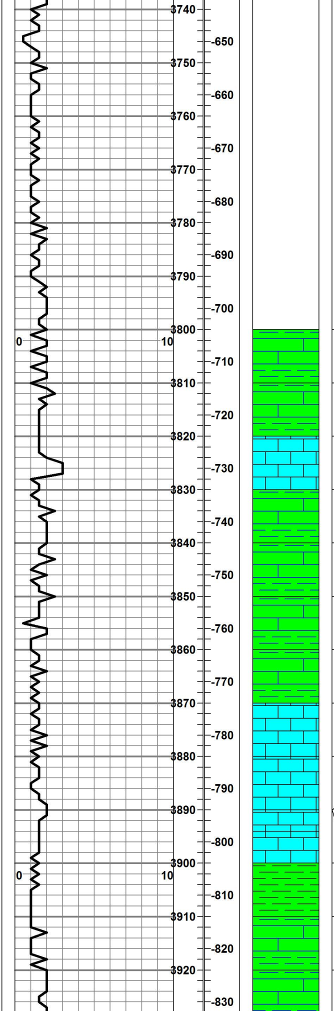
0 C1 (units) 100

0 C2 (units) 100

0 C3 (units) 100

1 C4 (units) 100





SH: GRY, BRN
LS, CRM, DNS, N/S

SH: BK CARB
LS, CRM, TN, SFT, SPTTY LT BRN STN, SCAT VUG PP POR WELD, NO SHOW

LS, WHT, LT BRN, CHALKY, NS

SH: GRY
LS, GRY, DNS, NS

SH: GRY, RD-BRN
LS, CRM, LT GRY, NS

SH: RD-BRN
LS, CRM, TN

SH: GRN, GRY, RD-BRN
LS: CRM, LT GRY, CHALKY N/S

LS: CRM, TN, CHLKY, N/S

LS: CRM, CHLK, 1 PIECE BLK TARRY STN, NO ODR

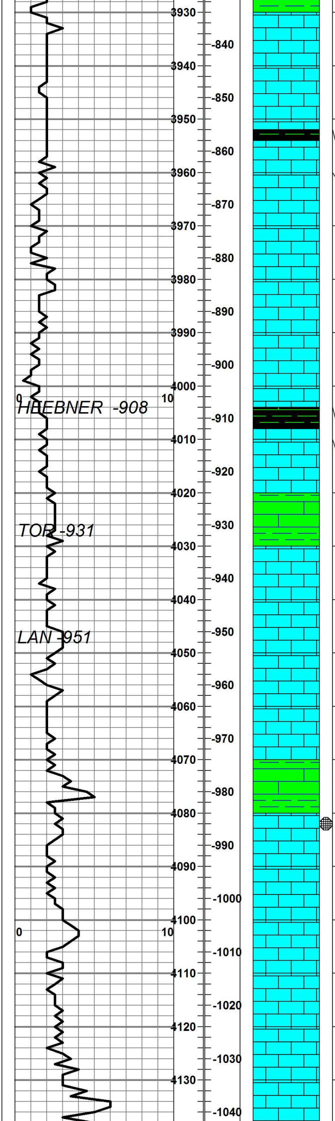
SH: BLK CARB

LS: CRM. TN, SM CHALK, BRTL, NS

SH: GRY BLK DOMINATING SOME CRM, TN, LS

SH: DK GRY
LS: LT GRY, TN , N/S

SH: RD-BRN
LS: TN, NS



LS: CRM CHLKY, DNS, N/S

LS: CRM, TN, DNS

LS: CRM, LT GRY, CALC, BRTL, N/S

SH: BLK CARB

LS: TN, LT GRY, BRTL, MICRO-XLN, N/S

LS: CRM, TN, CHLKY, N/S

LS: TN, FRI, N/S

LS: TN, N/S

LS, TN, VRY CHLK, N/S

SH: BLK CARB

LS: CRM, FN-VF XLN, N/S

SH: GRY, GRN
LS: TN, DNS, N/S

LS: CRM, FN XLN, SPTTY EDGE STN, N/S

LS, TN, FN XLN, SPOTTY RARE VUG POR, SPTTY LT BRN STN, N/S

LS, CRM, CALC, DNS, NVP, VFXLN, N/S

LS: CRM, CAL, CHKY, SCAT VUG POR, SPT DK BRN ST, NO CUT, N/S

SH: RD-BRN, GRY,
LS: 15-20%, CRM, BRTL, NVP

LS: CRM, TN, PYR, MSTL Y DNS, RARE FR VUG POR, ONE PIECE SHW DK BRN OIL, SLW STREAMING CUT, SPTY DK BRN STN

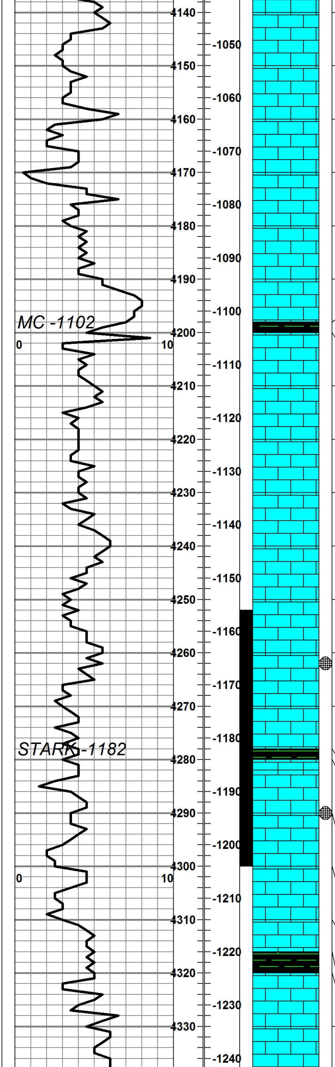
LS: CRM, DNS, N/S

SH: GUMMY, GRY, DK BRN,
LS: CRM, DNS, NVP, SL CHLKY, VVSSFO IN ONE PIECE, NO ODR

SH: DK BRN, DK GRY,
LS: WHT, CRM, TN VF XLN, CALC, PYR, NVP, N/S

LS: CRM, TN, PYR, CALC, F XLN, BRTTL, SLT ODR, N/S

LS: CRM, TN, CALC, SLT CHLKY, SLT PYR, SLT FOSS, F-VF XLN, N/S



LS, CRM, INT GRAN POR, TO DNS, VF XLN, N/S

SH: BRN, GRY, GRN
LS: CRM CHLK, SPTY LT BRN STN, NVP, SL ODR

SH: GRY, RD-BRN
LS: CRM, OCC WHT, CHLKY, TN, DNS, RE-EX, OCC WHT CHT, N/S

SH: BRN
LS: CRM, TN, SCT VUG POR, N/S

SH: BRN
LS: TN DNS, VFXLN, SLT SCT LT BRN STN, N/S

SH: BLK CARB

SH: BLK CARB

LS: CRM, LT GRY, PYR, TR TRANS CHT, GOOD ODR, OCC DK SAT STN, NO CUT NO SHOW

LS, CRM, F XLN, RARE VUG POR, SCT LT GRY CLR CHT, V SLT ODOR, N/S

AS ABOVE, BUT MORE DNS N/S

SH: DK GRY
LS: BRN, GRY, F XLN, LS, N/S

LS: CRM, TN, VFXLN, DNS, TRC OP CHT, SLT CHLKY, N/S

LS: CRM, FRI, SPTTY FR DK STN, SHALES RD-BRN

LS: CRM, SCT VUG POR, SHOW LT BRN OIL, FAST CUT, GOOD ODOR, GAS 30 BACKROUND 47 SHOW

SH: BLK CARB
LS: CRM, NVP, V SPTTY LT BRN STN, V SLT ODR, N/S

SH: GRY, PYR INCLUSIONS
LS; CRM, TN, MSTLY DNS, NVP, TO SCTTRD VUG POR, GOOD ODOR, GOOD CLOUD CUT YELLOW FLOR, SLT SHOW FREE OIL

LS: GRY, FXLN, OCC WHT OP CHT, SCT GOOD VUG AND PP POR, STRONG ODR, SHOW FREE OIL IN POR, GAS BACKROUND 43 SHOW 60

LS:, CRM, LT GRY, FXLN, SLT CHLK, STRONG ODOR, TR YELLOW FLOR, NO CUT, N/S

SH: BLK, GRY
LS: LT GRY, TN, NVP, SPTTY DK STN, NO CUT, NO FLOR, V SLT ODOR

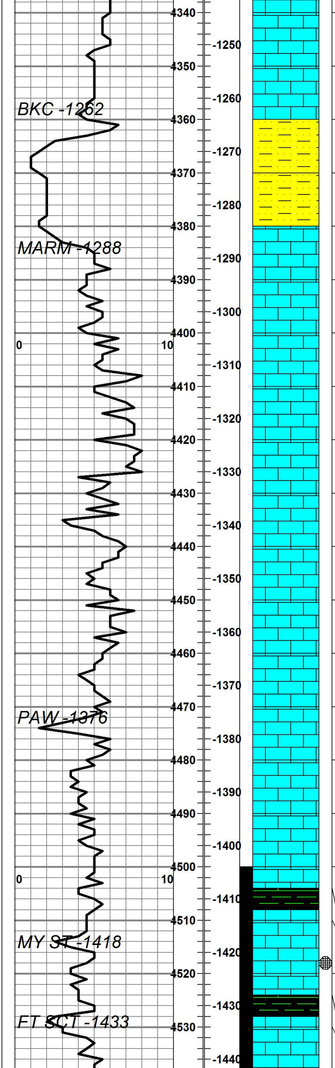
LS: CRM, GRY, V DNS, NVP, PYR, LT GRY OP CHT, N/S

LS: CRM, LT GRY, PYR, VVF XLN, V SLT ODR, N/S

DST #1 4252-4300
"J" AND "K"
30-45-30-45
IF: BOB 17 MIN
NO RETURN
FF: BOB 28 MIN
NO RETURN

180' WATER W/ OIL SPOTS
60' SMCW W/OIL SCUM
133' MCW W/HEAVY OIL SCUM
2' FREE OIL

IF 49-140#
FF 149-199#
ISI 685#
FSI 670#



LS: CRM, LT GRY, TRC CALC, DK BRN STN IN OCC FR VUG POR, MOT, V SLT ODR, N/S

LS: CRM, LT GRY, NVP, N/S

SH: LT GRN, SLTY,

SILT: BL-GRN, LT GRN, N/S

LS: CRM, TN, SPTTY DK BRN STN, RARE INT GRAN RE-X, N/S

SH: RD BRN, BRN
LS: CRM, TN, NVP, N/S

SH: MRN, DK BRN
LS: GRY, WTHRD, POOR POR, N/S

SH: MRN, GRY
LS: CRM, TN, SILTY, N/S, V SLT ODR

LS: CRM, TN, N/S

LS: CRM, TN, TR LT BRN STN, WTHD, TRC ORG CHT, N/S

SH: DK GRY, BRN
LS: TN, GRY, N/S

LS, TN, CRM, N/S

LS: LT BRN, TN, SL WTHD, DNS, N/S

LS: CRM, TN , CHT CRM TRANS, N/S

AS ABOVE W/ MORE SLT WTHD TN LS, N/S

LS, TN, LT GRY, OCC LT BRN STN, WTHD, RE-EX, N/S

SH: BLK
LS: TN, DK GRY, WTHD, N/S

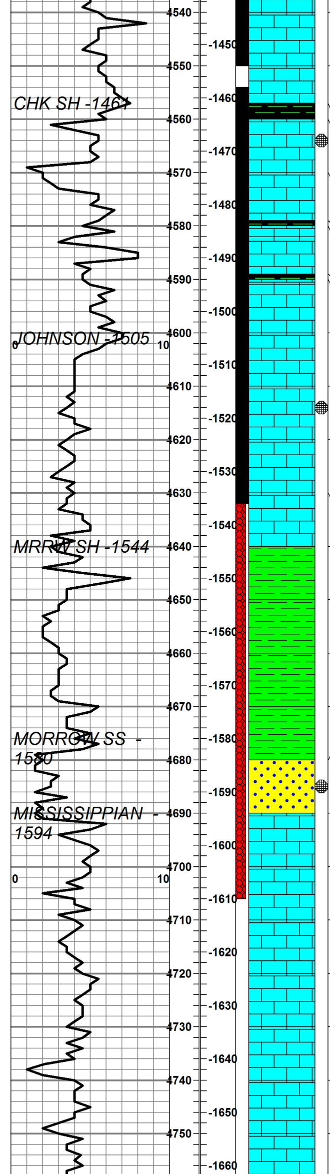
LS: CRM, OCC LT GRY, M-F XLN, TRC CRM CHT, FAIR ODR, N/S

LS, TN, M-FN XLN, TRC OOC, SHOW FREE OIL IN OCC VUG POR, CUT DULL YL FLOR

CHT: WHT, LT GRY
LS: LT GRY, WHT, SL CHKY, N/S

DST#4 (STRADDLE)
4500'-4550'
MYRICK STATION
FT. SCOTT
60-60-60-60
IF: BUILT TO 7"
NO RETURN
FF: BUILT TO 5"
NO RETURN

105' MCW
120' SMCW
180' WATER



LS: GRY, DNS, SL CHKY, NVP, N/S

SH: BLK, PYR
LS: GRY, DNS, NVP, OCC DK DEAD STN, N/S

LS, CRM, TN, CALC, TRC OFF WHT CHT, TRC FREE OIL IN MOTT VUG POR, CRUSH CUT, YELLOW FLOR, V SLT ODR IF ANY

LS, TN, LT GRY, RARE VUG POR, SLT WTHRD, SLT SH FREE OIL, GOOD CUT BRT YELLOW FLOR, VRY SLT ODR

SH: RD, GRN, GRY
LS: GRY, DNS, V SLT CHLKY, N/S

LS: CRM TN, SLT WTHRD, NVP, N/S

LS, GRY, WTHRD, TRC OOL, SCAT SPTTY STN, V SLT ODR

LS, TN, LT GRY, SCAT VUG POR, WTHRD FXLN, SCAT DK BRN STN, V RARE SH FREE OIL, FAST STRM CUT, BRT YLLW FLOR, SLT ODR

CFS 30-60
LS: TN, LT GRY, F XLN, WTHD, SCT, FR VUG POR, SHOW MED-BRN OIL, FAST CUT YLW FLOR, INSTANT TO STREAMING, ODR, GAS BACKROUND 40, SHOW 67

LS, CRM TN, TRC BL-GRN CHT, SPOT SAT STN, N/S, SLT ODR

LS: CRM, TN, NVP, N/S

SH: MRN, GRN-BL, GRN GRY,

SH: GRY, BL-GRN

SH: GRY, BL-GRN
SS: LT GRY, CLR, FRI, FN GRN

SS: LT GRY, CLR, SHOW FREE OIL, EXCELLENT SHW MD-BRN OIL ON BRK, FAST TO SLOW STRM CUT YLLW FLOW, GOOD ODR, OIL DROPS IN SAMPLE CUP, GAS BACKROUND 28 SHOW 52

LS: LT GRY, SHARP, NVP, TRC LT GRY CHT, NS

LS: LT GRY, DNS, N/S

LS: LT GRY, DNS, N/S

LS: LT GRY, DNS, N/S

LS: WHT, TN, SNDY, CHLKY, STN?, N/S

LS: LS, WHT, CHLK, SNDY, N/S

LS: AS ABOVE

23-139# 139-208#
ISIP: 714#
FSIP: 699#

DST #2 4554-4632
CHEROKEE-JOHNSON
30-30-30-30

IF: 1/4" BLOW DIED TO SURFACE
FF: NO BLOW

5' MUD

25-30
31-33

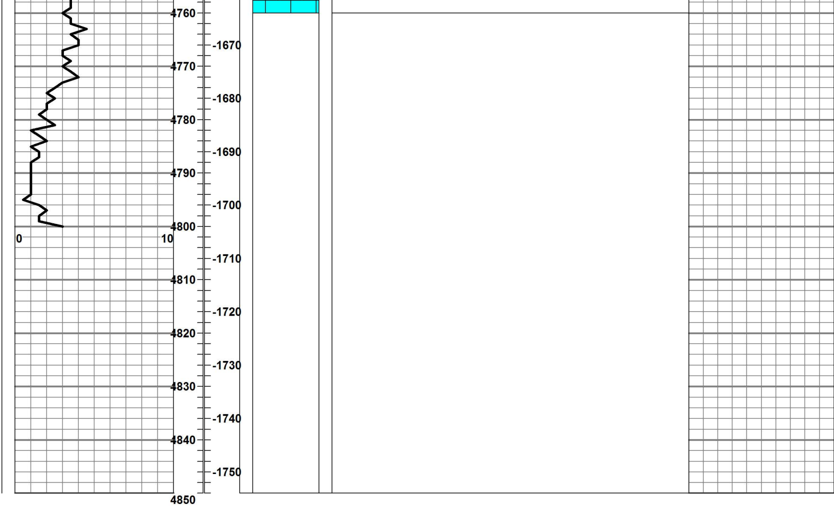
ISI: 539#
FSI: 353#

DST #3 4632-4706
MORROW SANDSTONE
60-30-60-60
IF: WEAK BUILDING BLOW TO 1"
NO RETURN
FF: WEAK BUILDING BLOW TO 1/2"
NO RETURN

65' SOCM 5% OIL
95% MUD

22-46# 47-63#

ISIP: 452#
FSIP: 916#

STILL CLIMBING AT END OF SECOND SHUT IN