Justin R. Prater, LLC

COMPANY	**STRATAKAN EXPLORATION, LLC**		
LEASE	**Fanshier 20-1**		
FIELD	**HAZEL**		
LOCATION	**365 FNL 1615 FEL**		
SEC **20**	TWSP **21s**	RGE **13w**	
COUNTY	**Stafford**	STATE	**KS**

ELEVATIONS

KB **1909**
DF
GL **1899**
Measurements are all from **KB**

CONTRACTOR	**SOUTHWIND DRILLING #1**		
SPUD	**9-11-15**	COMP	**9-18-15**
RTD	**3775**	LTD	**3772**
MUD UP	**2600**	TYPE MUD	**CHEM**

CASING

SURFACE **8 5/8 @686**
PRODUCTION **5.5 @ 3767**

SAMPLES SAVED FROM	**3100**	TO	**RTD**
DRILLING TIME KEPT FROM	**2700**	TO	**RTD**
SAMPLES EXAMINED FROM	**3100**	TO	**RTD**
GEOLOGICAL SUPERVISION FROM	**3100**	TO	**RTD**
GEOLOGIST ON WELL	**JUSTIN R. PRATER**		

ELECTRICAL SURVEYS

DIL/MICRO/CDNL/CPI

FORMATION TOPS	LOG	SAMPLES
HEEBNER SHALE MEMBER	3221 -1312	
TORONTO LIMESTONE	**3239 -1330**	
DOUGLAS SHALE	**3254 -1345**	
BROWN LIME	**3342 -1433**	
LANSING "A"	**3352 -1443**	
LANSING "H"	**3476 -1567**	
BASE KANSAS CITY	**3579 -1670**	
VIOLA	**3599 -1690**	
SIMPSON SHALE	**3629 -1720**	
ARBUCKLE	**3682 -1773**	
ARBUCKLE 2ND BREAK	**3700 -1791**	

DUE TO POSITIVE STRUCTURE, TWO LKC DST'S, AND POSITIVE SAMPLES/LOG CALCULATIONS IN THE ARBUCKLE THE DECISION WAS MADE TO RUN AND CEMENT 5 1/2 PRODUCTION CASING FOR A COMPLETION IN THE ARBUCKLE.

RECOMMENDED PERFORATIONS

ARB 2ND BREAK 3699-3701

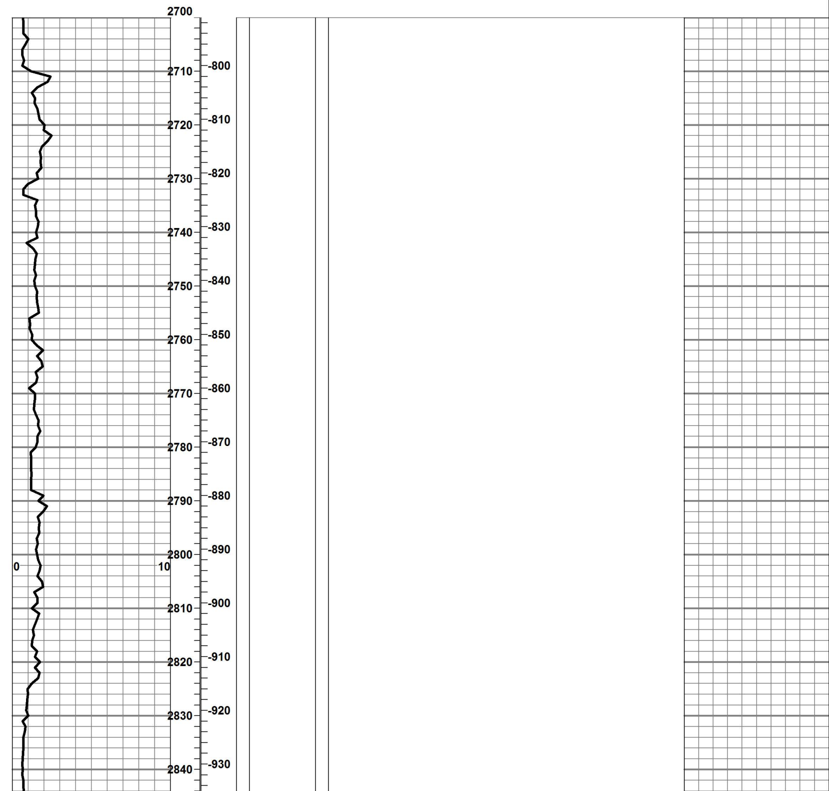
ARBUCKLE 3690-3692

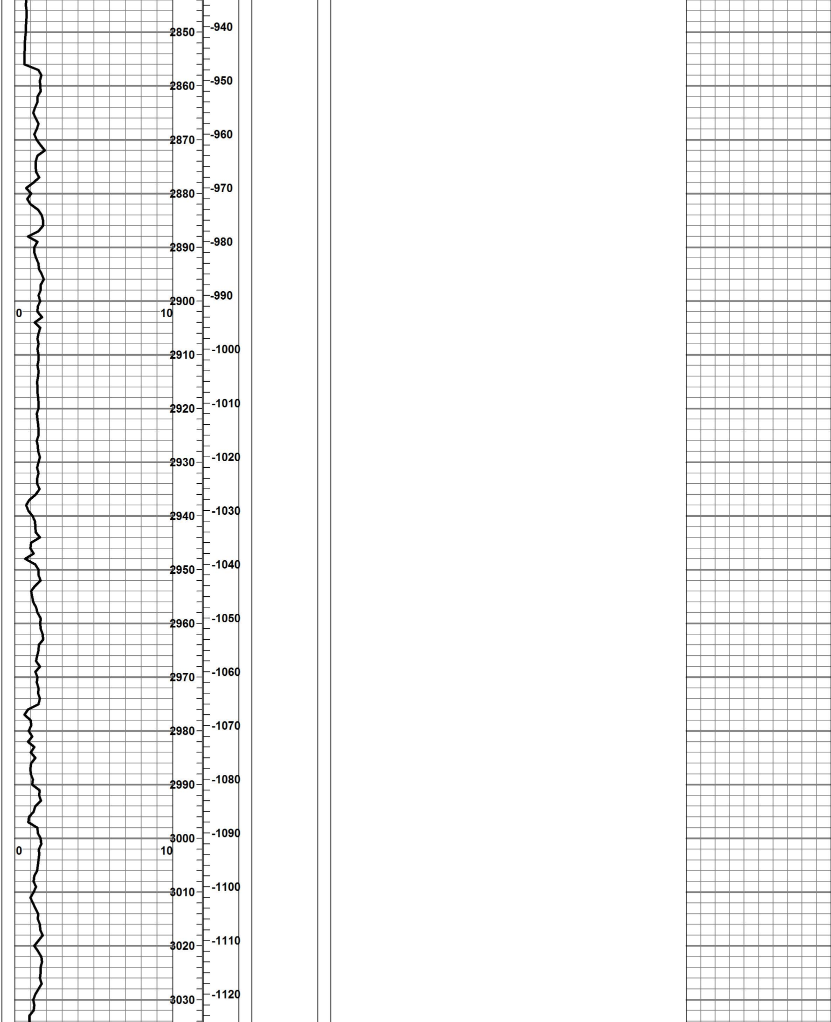
LANSING H 3476-80
LANSING I 3494-3500

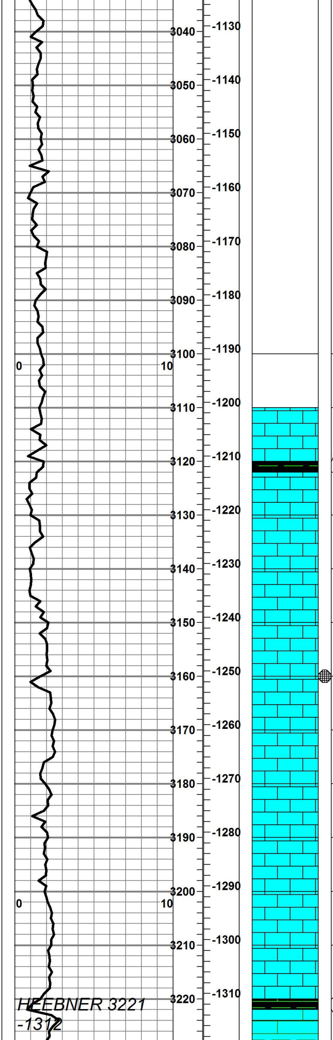
RESPECTFULLY SUBMITTED,

JUSTIN R. PRATER

Curve Track #1	DEPTH	DST	LITHOLOGY	Oil Show	Geological Descriptions	TG, C1 - C5
ROP (miin/ft) 0 – 10 Gamma (API) 0 – 150 Cal (in) 0 – 16						Total Gas (units) 0 – 100 C1 (units) 0 – 100 C2 (units) 0 – 100 C3 (units) 0 – 100 C4 (units) 1 – 100







LS, LT BRN, FRI, OCCASIONAL XLN POR, NO SHOW

LS, LT BRN, DNS, VVSSFO TARRY, NO ODOR, NO CUT.

BLACK CARB SHALE

LS, WHT, LT BRN, SOFT, SL CHALKY, OCCASIONAL LIGHT BROWN OIL STAIN, NO ODOR, NO SHOW

LS, GRY, LT BRN, NO SHOW

LS, LT BRN, RARE DEAD STAIN, BRITTLE, DNS, NO SHOW

LS, LT BRN, SOME MED-FN XLN, ONE PIECE SHOW BLACK TARRY OIL, NO CUT, NO ODOR

LS, LT BRN, CRM, VFXLN, RAIR DEAD BLK STAIN, NO SHOW, NO ODOR

AS ABOVE

AS ABOVE

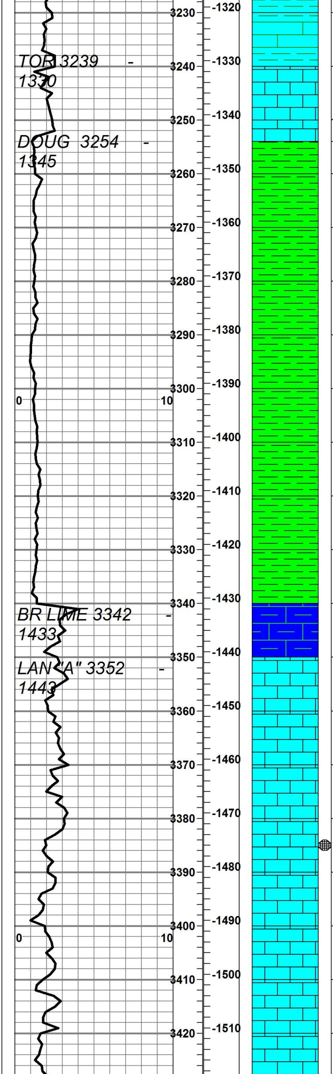
LS LT BRN, ABUNDANT BLK STAIN, NO FLOR, NO SHOW, VERY FAINT ODOR

LS, WHT, LT BRN, FRIABLE, SFT, RARE BRN STAIN, NO ODOR, NO SHOW

LS, LT BRN, WHT, OCCASIONAL EDGE STAIN, VF-F XLN, FRIABLE, NO SHOW

BLACK CARB SHALE

SHALE, LT GRY, LS CRM TN.



SHALE, LT GRY, LS CRM TAN, F XLN POR, NO ODOR, NO SHOW

LS, CRM, DENSE, VFXLN, NO SHOW, NO ODOR

LS, WHT, LT BRN, VFXLN, SHALE GRY, NO SHOW

SHALE, LT GRY, GRN, RD

SHALE, LT GRY, GRN, RED

SHALE, GRY, GRN, RED, GUMMY, SILTY

SHALE, GRY , RED-BRN, SILTY

SHALE, GRY, RED

SHALE, GRY, RED, SILTY

SHALE, RED, GRY, GRN

SHALE, GRY DOMINATING

SHALE, GRY

SHALE, GRY, LS BRN, DNS, NO SHOW

LS, WHT, F-VF XLN, DNS, BRITTLE, NO ODOR, NO SHOW

LS, WHT, F-XLN, BRITTLE, DNS, NO ODOR, NO SHOW

LS, WHT, VF-F XLN, DNS, NO ODOR, NO SHOW

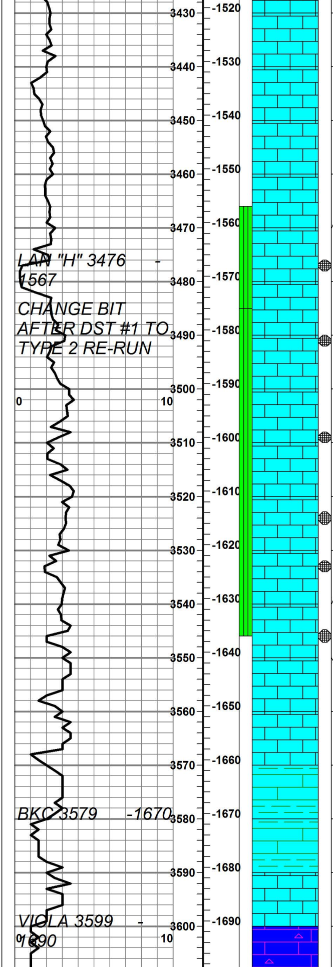
3888 CFS, LS, WHT, LT BRN, RARE VUG POR, F-XLN, SOME DNS, VSSFO, VSS YELLOW GRN FLOR, CLOUD CUT

LS, CRM,WHT, SCATTERED MED-XLN, OCCASIONAL VUGS, SLIGHT ODOR, NO SHOW

LS, WHT, DNS, NO VISIBLE POR, RARE DK BRN EDGE STAIN, NS, SLT ODOR

BRN, GRY, MOSTLY DNS, NO SHOW, NO ODOR

LS, LT BRN, GRY, DNS, NO SHOW, SHALE: GREEN, BLACK



LS, WHT, CRM, SOFT,FR NO SHOW, NO ODOR , BARREN

LS, WHT, GRY, FRI, NO SHOW, NO ODOR

LS, WHT, GRY, BRITTLE, SCATTERED F-M XLN POR, ALL BARREN, NO SHOW, NO ODOR

LS, WHT, DNS, F-XLN, NO SHOW, ODOR

LS, WHT, DNS, FEW PIECES FRI, NO SHOW
3485 CFS 30" : LS, BRN, TAN, GOOD VUG POR, SOME OOC POR, GOOD SHOW BLACK FREE OIL IN VUGS, STREAMING HALO CUT, SOME INSTANT CLOUD CUT, GOOD ODOR

60" CFS, LS, GOOD VUG POR, FSFO IN VUG POR, GOOD ODOR
3590': LS WHT, FRI, SLIGHT ODOR, SHALE: GRY SPLINTERY

LS, WHT, FRI, FAIR SHOW FREE OIL IN INT GRAN POR, MILKY STRAW CUT FLOR, OIL IS DK BRN, F-VF XLN, GOOD ODOR

LS, WHT, BRITTLE, F XLN, SHOW FREE OIL WHEN BROKEN IN BETTER XLN POR, SLT ODOR , CUT YELLOW FLOR,

LS, WHT, LT BRN, SOME BRITTLE,VF-F XLN, CHALKY, LT BRN STAIN, SLT ODOR, NO SHOW FREE OIL,

LS, WHT, VFN-FN XLN, OCCASIONAL MED XLN, RARE FAIR SHOW FREE OIL, STREAMING MILKY CUT, VERRY SLT ODOR

LS, WHT, LT BRN, F XLN, BRITTLE, DNS, LT BRN STN, ONE PIECE VUG POR W/ POOR SHOW FREE OIL, FAINT ODOR

3546 CFS 30", LS, WHT, TN, LT BRN STAIN, FAINT ODOR, VERY RARE VUG POR, POOR SHOW FREE OIL IN POR, FAINT ODOR
3546 CFS 60" LS, DNS, NVP, FAINT ODOR
3550- Shale GRY

LS, WHT, TAN, DNS, SOME LT BRN STAIN, NO SHOW, V SLT ODOR

LS, WHT, TAN, MOSTLY DNS, FEW PIECES SOFT, CHALKY, NO SHOW, NO ODOR

LS, TAN, BRN, DNS, NO SHOW
SHALE: GRY, BRN

SHALE, DK GRY, BRN
LS, WHT, TN , NO SHOW, NO ODOR

LS, TAN, FN XLN, OCCASIONAL MED XLN, FAIR STN IN FEW PIECES, NO SHOW FREE OIL, NO ODOR

SHALE, GRY, GRN, RED
LS, DNS, VF-F XLN, BRN SLT STAIN IN FEW, FEW GOOD XLN POR, NO SHOW, SLT ODOR

DST #1 3466-3485
30-30-30-30
IF: BOB 2min
ISI: 1/4"-3/4"
FF: BOB 1min
Shut In# 774-765
Flow# 102-136 170-129

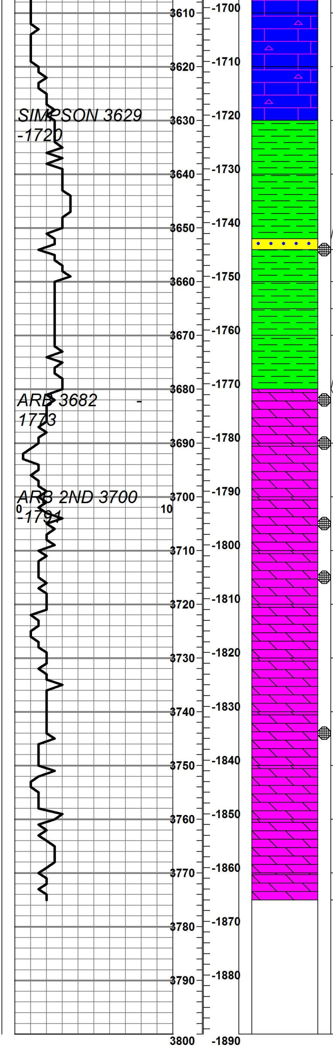
Recovery 96ft CGO
14%G 86%O
91ft
GMCO 19%G 13%M 68%O
38.2 API Gravity

DST #2 3485-3546 I J K Zones
30-30-30-30
IF: BOB 3 1/2 min
ISI: No Blowback
FF: BOB 45 secs
FSI: Weak Blow 1/2 to 1 1/2"

Shut In# 431-439
Flow # 37-68 73-95

Recovery: 110ft
GOCM 34%G 28%O 38% M
90ft
CGO 22% G 78% O

API Gravity 28.7



LS, WHT, TN , FRI, RARE STAIN , MUCH TAN CHERT, NO SHOW, FAINT ODOR

AS ABOVE, WITH MORE CHERT, FAINT ODOR

SHALE, GRY, BRN, MAROON STILL CHERTY

SHALE, RED GRN BRN, MUCH CHERT

SANDSTONE, QTZ, SHOW FREE OIL IN FRESH SAMPLE, GOOD CUT, FAIR ODOR , YELLOW STREAMING CUT

SHALE, GRN, GRY, BLACK, CHERT CRM WHT

SHALE, GRN, RED, BRN W/

SHALE, GRN, BRN, GRY

SHALE, GRN, BRN, GRY

SHALE GRN, FEW SS FINE GRN QTZ, FEW PIECES DOLOMITE, FN XLN, SOME STAIN, NO SHOW

DOLOMITE, LT BRN, MED-COURSE XLN, SLIGHT SHOW FREE OIL, ODOR

DOLOMITE, LT BRN, COURSE XLN POR, GOOD VUG POR, GOOD SHOW FREE OIL, INSTANT CLOUD CUT , STRONG ODOR

CFS: 30 MINUTES 3707, DOLOMITE, GOOD XLN POR, SCATTERED VUGS, GOOD SHOW FREE OIL IN POR, EVEN SAT STAIN, FEW PIECES PYRITE, STRONG ODOR

DOLOMITE, TN, BRN, MUCH FN-XLN POR, SHOW FREE OIL IN COURSE XLN POR AND VUG POR, STRONG ODOR, FAST STREAMING CUT.

DOLOMITE, TN, F-XLN, LESS COURSE XLN, HEAVY BLACK STAIN, SLT ODOR

DOLOMITE, TN, BRN, MUCH FN XLN, SCATTERED COURSE, XLN POR SAT STAIN, ALSO HEAVY BLACK STAIN, NO CUT, STILL CARRYING ODOR

DOLOMITE, F XLN POR, OCCASIONAL COURSE XLN, SSFO IN GOOD XLN POR, DECREASING ODOR, PYRITE INCLUSIONS

DOLOMITE, F XLN, FEW GOOD XLN POR, DECREASING SHOW AND STAIN, DECREASING ODOR, MORE PYRITE

DOLOMITE, F-MED XLN, SOME BLACK DEAD STAIN, VERY SLT ODOR, PYRITE INCLUSIONS

AS ABOVE RTD 3775