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INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORP
LEASE PHILLIPS-MINGENBACK #1
FIELD PLUM GROVE EAST
LOCATION 2540' FNL & 1690' FEL
SECTION 25 TOWNSHIP 24S RANGE 04E
COUNTY BUTLER STATE KANSAS

ELEVATIONS

KB 1455' GL 1449'
Measurements Are All From KB
API 15-015-23902

CONTRACTOR C&G DRLG RIG #1
SPUD 06/14/2011 COMP 06/22/2011
RTD 2796' (-1341) LTD 2793' (-1338)

ELECTRICAL SURVEYS
LOG-TECH: DIL, CNL/CDL, MEL

CASING

SURFACE 255' 8-5/8" 23#/ft
LS csg set @ 261' KB.
PRODUCTION n/a

FORMATION TOPS	LOG	SAMPLES
ADMIRE SD	841' (+614)	842' (+613)
BURLINGAME	1005' (+450)	1006' (+449)
WHITE CLOUD LS	1103' (+352)	1103' (+352)
WHITE CLOUD SD	1110' (+345)	1108' (+347)
TOPEKA	1265' (+190)	1267' (+188)
OREAD	1582' (-127)	1584' (-129)
HEEBNER	1618' (-163)	1620' (-165)
DOUGLAS SH	1650' (-195)	1651' (-196)
LANSING	1899' (-444)	1901' (-446)
KANSAS CITY	2179' (-724)	2181' (-726)
BASE KANSAS CITY	2342' (-887)	2340' (-885)
CHECKERBOARD	2420' (-965)	2422' (-967)
HEPLER SD	2447' (-992)	2439' (-984)
PAWNEE	2498' (-1043)	2498' (-1043)
CHEROKEE	2554' (-1099)	2559' (-1104)
ARDMORE	NONE	2604' (-1149)
MISSISSIPPIAN CHERT	2635' (-1180)	2637' (-1182)
MISSISSIPPIAN LS	2658' (-1203)	2657' (-1202)
KINDERHOOK	2663' (-1208)	2672' (-1217)
HUNTON	2786' (-1331)	2788' (-1333)
LTD/RTD	2793' (-1338)	2796' (-1341)

CHRONOLOGY

06/13/11- Move rig in. Drill rathole, kelly down to 40'.

06/14/11- Spud 12-1/4" hole @ 7:30 AM. Lost circ @ 150', dry drill some, 8# LCM Mud. TD 12-1/4" hole @ 263' @ 4:30 PM. Run 255' of 8-5/8" 23#/ft LS casing, two baskets on upper part, set @ 261' KB. CONSOLIDATED: 1756 SX Class A, 3% CC, on bottom part, no cement circulated. Plug down @ 6 PM. Pump 50 SX down at surface. Done 7 PM.

06/15/11- WOC 10.5 hrs. Drill out @ 5:30 AM. 7 AM drlg @ 320'.

06/16/11- Drlg @ 1186', getting mud in shape and LCM up to 10#.

06/17/11- Drlg @ 1700'. Lst partial circulation @ 1409' @ 5:30 PM 06/16. By AM mixed 5 tanks of 400 bbls of mud. MW 8.9, LCM 15#. Est losing 40-50 bbls per hour.

06/18/11- Drlg @ 2195'. Lost 50 bbls mud in last 3 hours. MW 9, VIS 38, LCM 15

06/19/11- Circ @ 2610'. Short trip above Miss, get mud in better shape. MW 9.1, VIS 44, LCM 18#.

06/20/22- Circ @ 2646'. Getting mud back in shape; LCM build back up after DST.

06/21/11- TD 2646'. Running DST #2 2667'-2796' Hunton, 2:30 PM Running Logs, MW 8.9, VIS 38 Set up to lay down and plug well. 11:30 PM 35 SX @ 305', 25 SX @ 60', 20 SX Rathole, 60/40 Pozmix w/6% gel.

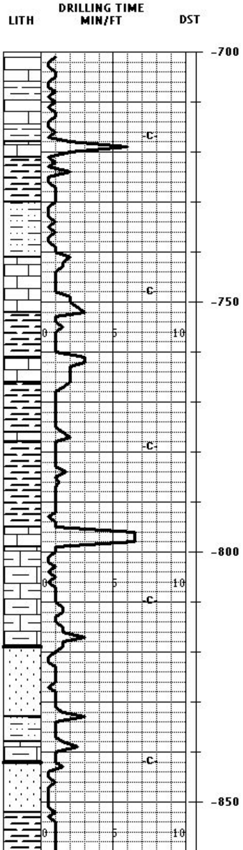
06/22/11- Finish plugging @ 1 AM.

06/24/11- CONSOLIDATED: top off with 24 SX more.

REMARKS:

Log tops by P. Ramondetta, Geologist, VOC
Mud Checks by FUD MUD

DEVIATION SURVEYS
500' = 1/4 degree
1927' = 1/2 degree
2646' = 3/4 degree



SAMPLE DESCRIPTION

LS: cm-tn, cryptox- fnx, Pr- NVP.

SH: gy- blk.

LS: cm-tn-gy, mx- fnx, sm argil, Pr- NVP.

SH: gn-gy & gy-blk.

SILTS: gy, sm sndy.

LS: cm-tn, gy, mx-vfnxln, sm dolomc, sm grnlr, VPr- Pr Por, NS.

SH: AA, sm blk carb.

LS: cm-tn-gy, pred dn-chlky, Pr- NVP.

SH: vgt'd, gn-gy & mrn-rd.

sm LS: cm-tn-gy, mx-fnx, dn, Pr Por. NS.

SH: gn-gy, sm pyrtc.

LS: gy-tn-bn, cryptox- fnx, dn & argil.

SD CLUST: gy (gy-wh, bf), vfn- fn Gr'd, rnd'd- anglr, pred subanglr- subrnd'd, well- mod sort'd, well cmt'd- fribl, Pr- Fr Por, micac, prt shly- silty, trc SFO, dull FLR & trc Cut- STN. >99% barren sm calc cmt.

SILTS: gy, sndy micac, sm pyrtc & SH: gy-blk.

LS: gy-tn, dn & argil Mdst.

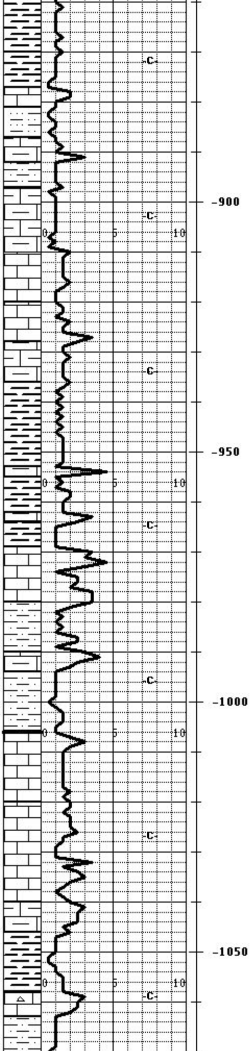
{ADMIRE} SS- SD CLUST: lt gy, vfn-fn Gr'd, rnd'd- anglr, fribl & well cmt'd, sm Fr- Gd I.Gr Por w/ NS. sm silty- micac & pyrtc. & SILTS: gy, sndy, micac & sm pyrtc.

SH: gy- blk.

REMARKS

Trc SFO

842' (+613)
ADMIRE SD



SH: gy-blk & gn-gy.

LS: cm-gy, bf, dn-mxln Mdst.
SS- SD CLUST: lt gy, vfn-fn Gr'd, Rr prt rnd Gr'd, rnd'd-anglr, well cmt'd- fribl, Rr Fr- Gd Por, NS. Rr cln Sd, sm shly & silty.

LS: tn-gy, dn-mx Wkst- Pkst, sm mot, VPr- NVP & argil.

SH: gy & gy-bn
SD CLUST: AA, NS.

LS: AA & dn Mdst.
SD CLUST: AA, silty, micac, Pr- Fr Por.

LS: gy-tn-cm, cryptox-fnx, sm argil, sm fos- Wkst- Pkst, Pr- NVP, NS. sm dn Mdst.

LS: AA, incrs dn & argil Mdst- Wkst.

Incrs SH: gn-gy & blk.

SH: gy-blk, sm pyrtc, sm mrn-rd SH.

LS: AA, dn Mdst, argil Wkst- Pkst & SH: AA.

LS (Abndt 1000' Spl): cm-tn, dn-mx-fnx, sm fos, VPr-NVP. NS.

SH: gy & SILTS.

LS: gy argil & tn dn AA.

SH- SILTS: AA, sm micac.

1006' (+449)
BURLINGAME

{BURLINGAME} LS: tn-wh, dn-Litho-cryptx- fnx (Rr), Rr chlky.

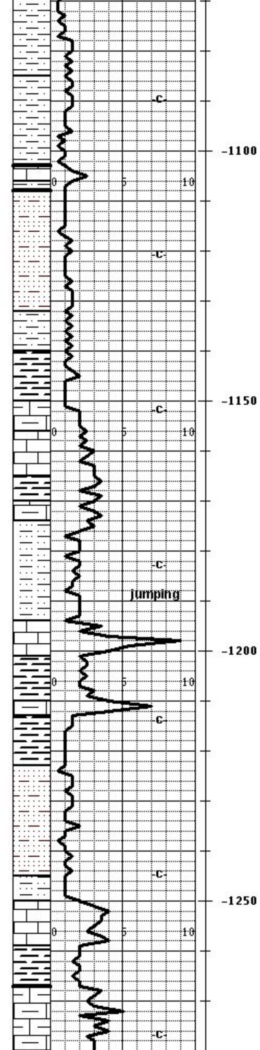
LS: AA, sm chky, sm 2RX, fn- vcrsX's, sm Fr aprnt Por, sm wh-chky.

LS: gy-tn & gn-gy, dn & argil.

SH: gn-gy & Rr blk carb.

LS: gy-tn, dn-fnx, argil, sl Cherty. Frly abndt crs-vcrs calc X's.

SH: lt- dk gy & gn & Silts.



SH- SILTS: gy- blk, micac & pyrtc.

1103' (+352)
WHITE CLOUD LS
1108' (+347)
WHITE CLOUD SD

{WHITE CLOUD} LS: gy-tn, dn cryptx-fnx Mdst- Wkst, sm argil-shly, sl fos.SH-SILTS
{WHITE CLOUD} SS- SD CLUST: lt-md gy & gn-gy, vfn Gr'd, micac, sl- v.silty, pred well cmt'd- subfribl w/Pr visbl Por. NS. NC. NF. sm v.silty & shly.

& SILTS: gy, micac, sm sndy.

& SH: gy- blk & gn-gy.

SH: pred dk gy- blk.

VRr LS: tn-gy-bn, dn & argil, frag Pkst- Wkst.

LS: cm-tn, mx- fnx, sm fos, sm Pr- Fr pp Por, NS. Sl Cherty.
Abndt SH: AA & gn-gy SH.

LS: tn & gn-gy, mx- vfnx, sm v.argil.

SILTS: gn-gy, calc.

LS: gy-tn & cm, mot, cryptx-fnx, dn & argil, sm fos, Mdst-Wkst- Pkst.

SH: gy, sm calc & lmy.

LS: gy-tn, v.argil.

MW 8.9, VIS 38,
PV 26, YP 14,
WL 11.2#, pH 8.5,
Cl 1000, LCM trc.
Trc SFO

SH: gy-blk, sm carb.

SS- SD CLUST: lt-md gy- VRr tn STN. <5% w/FLR & STN, vfn-fn Gr'd, micac & silty, Rr fribl w/Fr Por, trc SFO, pred well cmt'd, calc.

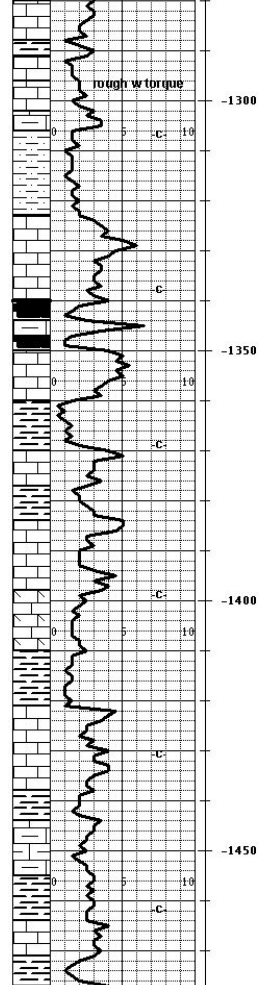
SILTS: gy & gn-gy, micac, sm calc- sndy.

LS: tn-gy, dn Litho Mdst (SS-Sd Clust AA & Silts AA)

SH: gy & gn-gy & blk.

1267' (+188)
TOPEKA

{TOPEKA} LS: cm-tn, mx-fnx, sm fos Pkst- Wkst, sm argil- shly.



LS: crm-tn-gy, mx- fnx, sm fos Wkst- Pkst, Pr- NVP.

LS: AA, Incrs Pkst- Grst, vfnly Grnlr- fos, Pr- Fr Por, sl Cherty.

LS: crm-tn-gy, mx- fnxln, sm oomldc w/Fr- V.Gd Por & Pkst- Grst w/Fr- GdPor. NS.

LS: crm- gy-tn, mx-fnx, argil- dn.

SH- SILTS: gy, micac.

LS: crm-tn-gy, mx-mdx- Rr prt crs-v.crsx- 2RX, Pr- Fr vis vug Por & IX Por; sm wh- chky, NS.

SH: blk carb & subcarb & gy.
LS: gy, dn & argil Mdst.

SH: AA
LS: tn-gy-wh, pred dn mx- mdx, VPr- NVP. NS.

SH: gy, pyrtc & blk carb.

LS: tn-gy-crm, mx- vfnx, sm mot Pkst, VPr- Pr Por, NS.

SH: gy- gn- gy.

LS: crm- bf, mx, sm vfnly grnlr w/VPr- Pr visbl Por, Vsl Cherty. NS.

LS: crm- bf-tn, mx-vfnxln, sm fos Pkst, sm msucro-dolomc w/Pr- Fr IX Por. DOLO: bf-tn, mx-vfnxln, msucro & dn, Pr- Fr Por, NS.

SH: gy, micac.

LS: crm-tn-gy, sm mot, mx- fnx, sm fos Pkst, sm sl dolomc, VPr- Pr Por, NS. Abndt dn Mdst- Wkst w/VPr- NVP.

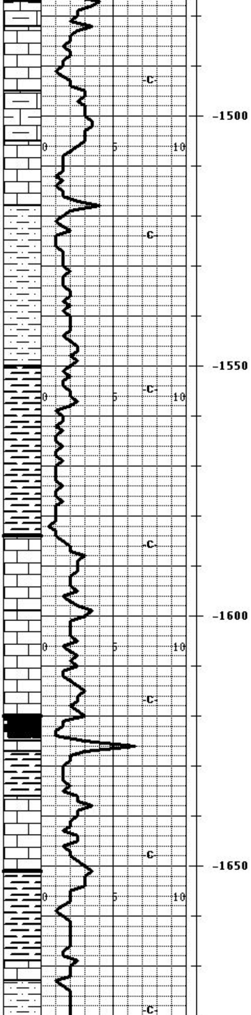
SH: gy, micac.

LS: gy-tn, mx-vfnx- dn, sm argil.

SH: dk- lt gy, micac.

LS: crm-tn-gy, sm mot, mx- fnx, sm fos Pkst, Pr- Fr Por.

SH: Rr blk carb, sm gn- gy.



LS: gy, dn & argil.

LS: sm wh-chky.
LS: wh-tn-gy, sm mot, sm chlky & mx- fnx, sm fos pkst, Pr- NVP. Sl Cherty.

LS: gy, argil.

LS: bf-tn, mx- fnxln, sm prt mdx, sl fos, Pr- Fr Por: IX Por, pp- vug Por.

SILTS: gy, micac, sm sndy- calc.

& SH: gy, micac.

SH: gy.

1584' (-129)
OREAD

{OREAD} LS: cm-tn-gy, dn-mx-vfnx, Mdst- Wkst, VPr- NVP.

LS: cm-tn, mot, mx- fnx, sm fos Pkst, sm md-crsx's- 2RX, VPr- Pr Por, NS. sm dn Mdst- Wkst, sm chky. Sl Cherty. NS.

1620' (-165)
HEEBNER

{HEEBNER} SH: blk carb.

LS: gy-bn-tn, dn Mdst.
SH: AA & gn-gy.

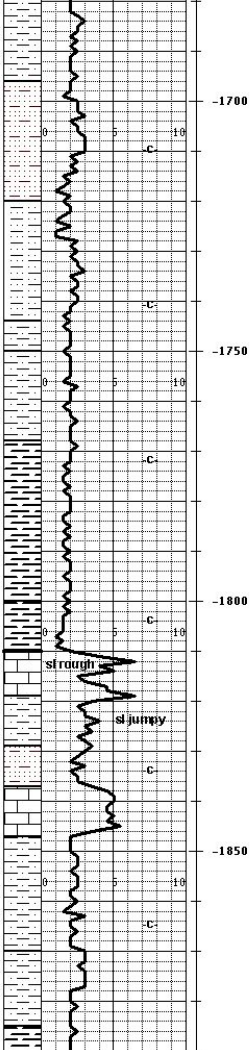
LS: tn-wh, dn Mdst- Wkst, sm fos Pkst, mx- fnx, VRr md-vcrsX's, Pr- NVP. NS.

1651' (-196)
DOUGLAS SH

{DOUGLAS} SH: dk-lt gy, sm micac.

LS: tn-cm, mx- fnx, sm ool & fos Pkst w/Pr- NVP. NS.

SH- SILTS: lt-dk gy, micac.



SS- SD CLUST: lt-md gy, vfn Gr'd, anglr- rnd'd, pred well cmt'd, sm micac, sm shly, VPr- Pr Por. NS.

SILTS: gy, gn-gy, sndy, micac,
& SS- SILTY SD CLUST: lt gy, bf, vfn Gr'd, pred well cmt'd, calc, sm v.micac, VPr Por. NS.

MW 8.9, VIS 42,
PV 31, YP 20,
WL 12,4, pH 8.5,
Cl 1100, LCM 12#

Pred SH: dk-lt gy, micac.

SH- SILTS: lt- dk gy, micac.

SH: dk gy (pred), sm micac.

SH: gy-blk.

LS: tn-wh, mx- fnxln, VRr prt md-crsx, sm chlky.

SH- SILTST: lt- dk gy, sm sndy & micac.

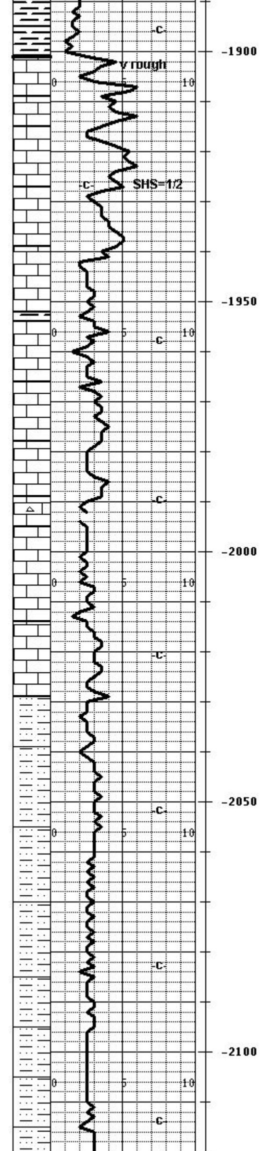
SS- SD CLUST: lt gy, vfn- fnGr'd, pred well cmt'd, Pr- NVP.

LS: tn-wh, dn mx- fnx, sm chlky.
LS: crm-tn, mx-fnxln, sm mot Pkst, Pr- NVP. sm chlky.

SH: gy- blk.
Rr SILTS- SS: AA.

SILTS: gy, sm micac & sndy, pred SH: AA.

SH: gy- blk.



SH: AA, sm micac.

{LANSING} LS: cm-tn, mx- fnxln, Rr md-crsx- 2RX- Aprnt frac Edg & vugs, trc STN- FLR, <5% VSISFO.

1901' (-446)
LANSING

VSl SFO

LS: tn-gy-wh, mx-fnxln, VRr md-v.crsX's, sm fos Pkst, prt chlky, sm aprnt Frac Por & vug Por, pred Pr Por, <5% w/Gd Por. <5% w SISFO, VSl Odor.

SI SFO

LS: tn-gy-wh, mx-fnxln, Rr md-crsx, VRr Fr- Gd Por: pp-vug Por, IX Por. <5% spt'd- subsat STN- FLR, Sl SFO,Sl-Fr Cut. & gy dn Mdst.

SI SFO

SI SFO

LS: tn-gy-wh, mx- fnx, prt dn w/VRr VPr- Pr Por: IX Por, ppPor, mFrac Por. VRr FLR, <5% SISFO, trc STN, pred dn Mdst, sm argil.

Trc SFO

LS: tn-gy-wh, mx- Rr fnxln, sm grnlr Pkst, sl fos, trc mdX's, Pr visbl IX Por, VRr FLR, trc SFO- Cut, trc STN. sm chlky. Abndt dn Mdst.

Trc SFO

SH: gy-blk, pyrtc.
LS: cm-tn, mx- fnx, sm grnlr Pkst, sm argil, VPr- Pr Por, trc SFO- FLR- STN, sm wh chlky, trc md-crsX's.

LS: cm-tn-gy, dn- mx- fnx, sl Cherty, sm chlky, VPr- NVP. NS.

LS: gy-tn-wh, mx- fnx, VRr md-vcrsx, sm Pkst, mot, sm chlky, Pr- NVP. Abndt dn Mdst- Wkst.

LS: AA & grnlr Pkst, sm 2RX, Pr- NVP. Cherty, abndt dn Mdst- Wkst.

LS: wh-tn, prt chlky & mx- fnxln, VRr md-crsXs- 2RX, sm fos Wkst- Pkst, sl Cherty, pred Pr vis Por, mIX Por & I.Gr Por, pp Por, VRr Fr Por, NSFO, sm dull FLR, no Cut.

LS: tn-gy-wh, mx- fnxln, VRr prt md- crsx- 2RX, sm Pkst, VRr Fr Por, sm chlky, pred Pr- NVP.

SILTS: lt- md gn-gy, calc, micac, vfnly sndy (sm), Rr pyrtc, sm v.crs calc Xs.
Incrs calcite Xs.

SILTS: AA
SILTS: dk-lt gn-gy, sm micac, calc & lmy- fos- crinds.

SILTS: dk- lt gn-gy AA.

SILTS: lt- dk gy, gn-gy, micac & calc.

SILTS: md gy & gn-gy, micac & calc.

SILTS: AA

SILTS: lt-md gy & gn-gy, calc, sm micac.

SILTS: lt- dk gy, micac & calc.
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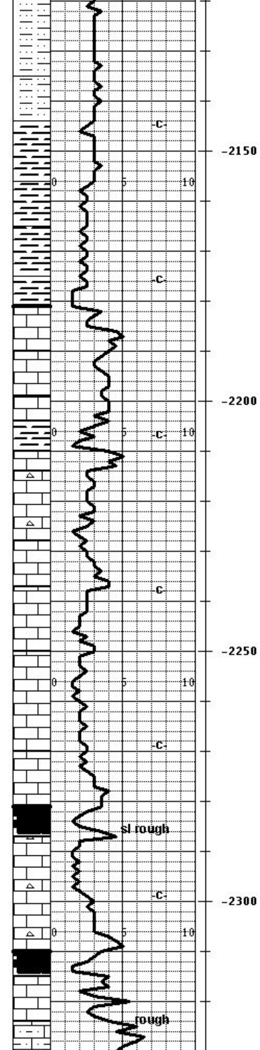


SILTS: AA, Rr sndy.

SH: gy, sm micac.

Pred SH: gy & dk gy.

SH: dk-lt gy, Rr Silts: AA.

SH: gy-blk, sm calc.

{KANSAS CITY} LS: tn-gy-bn & cm, mot, mx-fnx, Wkst-Pkst, sm argil.

LS: cm-tn, gy-wh, mx-fnx, sm ool & fos Pkst & sm chky, Pr-NVP.

LS: cm-tn, wh, mx-fnxln, prt chky, Pr-NVP. NS. sm mot Pkst, sl Cherty, Pr Por.

SH: gn-gy & blk.

LS: tn-gy-wh, sm fn ool & fos Pkst, Pr-NVP. sm argil.

LS: cm-tn & gy-wh, dn-mx-Rr fnx, sm chky. CHERTY: cm-bf-tn-gy, opq, shrp.

LS: wh-bf, prt chky, sm fos Pkst, mx-fnx, Pr-Fr pp Por, sm dn Mdst, sm grnlr mot Pkst, Pr-Fr Por.

LS: cm-tn, sm mot, sm v.ool & fos Pkst, VRr prt mldc. Pr-Rr Fr Por, NS. Prt chlky, sl Cherty.

LS: cm-tn-gy, prt mot, sm fos Pkst-Wkst, mx-fnx, Rr md-vcrsXs, sm chlky, Pr-Rr Fr Por: pp Por, I.Gr Por, IX Por, NS. sm fn ool & I.ool Por. NS.

LS: AA & gy-tn-wh dn & argil w/ VPr-NVP.

{STARK} SH: blk carb-v.carb.

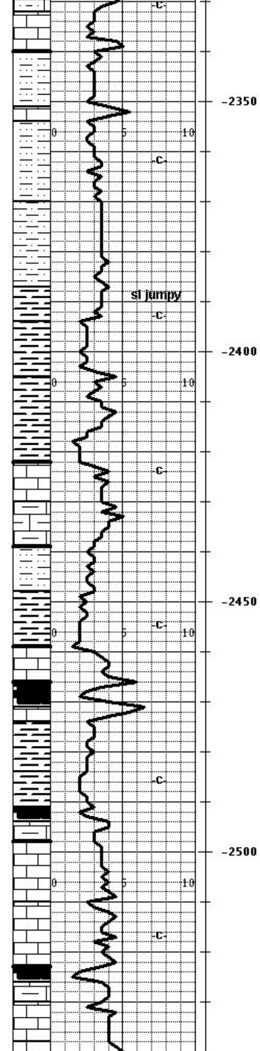
LS: cm-tn-gy-wh, sm mot Pkst, mx-Rr fnxln-VRr prt mdx, prt chlky. CHERTY: wh-cm-gy-blu-gy, shrp, opq, Pr-Rr Fr Por: pp Por, I.Gr Por, IX Por, NSFO. <5% w/ FLR, trc STN-Cut. Abndt dn Mdst-Wkst, Cherty.

{HUSHPUCKNEY} SH: blk carb-v.carb.
& LS: cm-gy-tn, sm mot, mx-Rr fnx-VRr mdx fos Pkst, trc ool Grst & fos Pkst w/Gd Por, subsat STN & FLR. Pred barren w/ Pr-NVP. <5% w/FLR-Cut, spt'd tn STN, y-FLR.

SILTS: lt gy, calc, sm sndy-silty. & Sndy LS.

**2181' (-726)
KANSAS CITY**

**MW 9.0, VIS 44,
PV 31, YP 20,
WL 10.4, pH 9.0,
Cl 900, LCM 15#**



LS: tn-gy-cm, mx- fnx, VRr md- crsx, sm dolomc, sm Pkst w/ Pr visbl Por. NS.

2340' (-885)
BASE KANSAS CITY

SILTS: gy sndy, v.calc & sm lmy & gn-gy, prt gy-bn.

LS: gy-tn, v.argil, silty, sndy, VPr- NVP. sm pyrtc.

SILTS: lt- dk gy, micac, pyrtc, calc & sndy.

SH: md gy, micac. sm SILTS: micac, calc (decrs sndy)

SH: md- dk gy.

SH: dk gy- blk subcarb, sm calc & lmy, sm pyrtc.

SH: AA, incrs calc & lmy & pyrtc, sm blk carb- v.carb SH.
SILTS: gn-gy, calc & lmy.

2422' (-967)
CHECKERBOARD

{CHECKERBOARD} LS: tn-gy-wh, pred dn hd Mdst, sm cryptx- Rr fnx- 2RX, VPr- NVP, sm argil-shly.

LS: cm-gy-tn, cryptx- fnx, sm fos Wkst- Pkst, sm chlky, VPr- NVP.

2439' (-984)
HEPLER SD

SILTS: gn-gy, sm calc, sm sndy, vfn Gr'd & SILTS- SS-SD CLUST: gn-gy, v.calc, v.silty, well cmt'd, VPr Por. NS.

SH: dk (md) gy-blk, sm subcarb- carb.

LS: tn-gy-wh, pred dn Mdst, sm Wkst- Pkst, sm argil, VPr-NVP.

SH: blk carb- v.carb.
LS: tn-gy-wh, dn Mdst- Wkst, Rr Pkst, VPr- NVP.

SH: lt- dk gy & gn-gy.

SH: Incrs dk gy to blk & blk carb, sm pyrtc.

SH: AA, VRr coal.
LS: gy dn Mdst, pyrtc, argil. SH: AA, incrs lmy calc.
{PAWNEE} LS: tn-gy-wh, pred dn Mdst- Wkst, Rr mot Pkst, sm chky, VPr- NVP, trc mFrac & Edgs & VPr Por w/ FLR, trc SFO, VPr Cut.

2498' (-1043)
PAWNEE

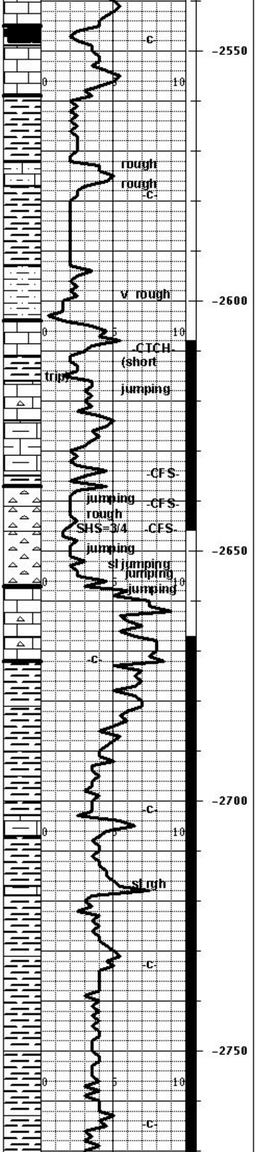
Trc SFO

Trc SFO

LS: wh-tn-gy, pred dn-mx- fnx- 2RX, sm prt chky, VPr-NVP. trc mFrac w/ FLR- trc SFO & Cut. >99% barren.

SH: blkc carb & lt gn-gy.
LS: gn-gy, dn argil Mdst.

LS: tn-cm, gy-wh, dn- mx- fnx, pred dn Mdst- Wkst & Rr Pkst, VPr- NVP. NS.



LS: dk- lt gy, gy-bn, pred dn Mdst & argil w/ VPr- NVP.

SH: blk carb- v.carb & dk- lt gy & gn-gy, sm calc & lmy.

LS: tn-crn, mx- fnx- dn Mdst, trc md- crsX's- 2RX, trc mFrcs.

{CHEROKEE} SH: blk carb (Rr) Abndt mrn-rd, sm gn-gy.

LS: gn-gy, dn & argil Mdst. SILTS: gy (lt- dk), micac, sm calc & lmy.

SH: dk- lt gy, sm micac.

SH- SILTS: gn-gy, Abndt calc X's- 2RX & LS: cm-tn, dn-mx & argil.

{ARDMORE} LS: cm-tn-gy, mx- vcrsxln- 2RX, euhedral aprnt Frc, sm argil- shly.

SH: sm blk carb, Abndt gn (lt- dk), & turq gn.

LS: gn & gy & tn-wh, mx- dn hd, sm argil, VPr- NVP, sm chlky LS. Rr CHERT: gn-gy & orng-tn.

LS: tn-wh & gn-gy, dn mx, prt chlky & gn-gy argil.

SH: gn-gy, sm calc- lmy.
{MISSISSIPPIAN} CHERT: cm-tn-gy, rd & orng, yel-tint, Fr vug Por, shrp Edg, FLR, SFO.
CHERT: cm-gy, ambr-tn, sm Fr- Gd vug Por, Rr triplc Por, Fr- Gd SFO, spt'd- sat FLR- STN, pred frsh- sl wthr'd w/spt'd FLR.
CHERT: cm-bf-gy, pred shrp- frsh- sl wthr'd, VRr FLR-SFO.

{MISSISSIPPIAN} LS: tn-gy-wh, pred dn- mx- fnx, prt chlky. V. CHERTY: cm-gy, ambr-tn, shrp- sl wthr'd.

LS: AA (shrp decrs).

{KINDERHOOK} SH: gn-gy & blk, <10% LS & Chert.

SH: gy- blk & gn-gy.

SH: AA.

SH: dk- lt gy & gn.

SH: dk- lt gy, sm calc & lmy.
LS: gy-tn, dn & argil Mdst.

LS: AA, dn & argil Mdst. LS: tn argil- shly Mdst.

AA

SH: sm blk carb, pred dk- lt gy & gn-gy, sl pyrtc.

SH: gy & gn-gy, Rr blk carb.

SH: md- dk gy, V. pyrtc, sm phos.

2559' (-1104)
CHEROKEE

2604' (-1149)
ARDMORE

MW 9.1+, VIS 44,
PV 30, YP 20,
WL 9.8, pH 9.0,
CI 1000, LCM 18#

2637' (-1182)
MISSISSIPPIAN
CHERT
Fr- Gd SFO

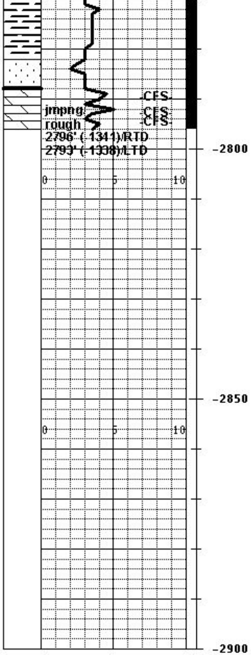
2657' (-1202)
MISSISSSIPPIAN LS

2672' (-1217)
KINDERHOOK

DST #1
2608'-2646'
30-45-45-60
1st Op: Wk 1/8" blo incrs to 1/4"
2nd Op: no blo for 10 min, wk on out
REC: 52' WM (18% W, 82% M)
93' WM (16% W, 84% M)
58' WM (18% W, 82% M, scum Oil)
30' OCMW (4% O, 20% W, 76% M)
TOOL SPL: 8% O, 65% M, 27% W
IFP: 145-147
ISIP: 586
IHP: 1202
FFP: 152-146
FSIP: 579
FHP: 1200
BHT: 108 F

MW 9.2+, VIS 50,
PV 32, YP 24,
WL 9.6, pH 9.0,
CI 900, LCM 17#

DST #2
2667'-2796'
30-45-45-60
1st Op: BOB in 30 sec.
2nd Op: BOB in 60 sec. Dd in 27 min.
REC: 248' MW (63% W, 37% M)
558' MW (79% W, 21% M)
1303' SW
30' SW
TOOL SPL: 100% W
Cl: 10,500 ppm
IFP: 203-891
ISIP: 992
IHP: 1224
FFP: 864-992
FSIP: 992
FHP: 1201
BHT: 116 F



SH: gy-bn-blk, subcarb- carb, sm phos, sm pyrtc.

SD CLUST: gy-bn, vfn-v.crs Gr'd, well rnd'd to anglr, shly, well cmt'd, v.pyrtc, calc & lmy, <5% Sd w/Sl SFO- FLR-STN. {HUNTON} DOLO: lt gy, silty- sndy. (2790' spl} mx DOLO & DLS: Pr Por, trc SFO. (2793' spl} DOLO: crm-bf-tn-gy, mx- fnxln, pred dn- Pr Por. NS. (2796' spl} DOLO: crm-bf-gy, mx, sndy, vfn- crs Gr'd, pred Pr visbl IX Por, VRr Fr visbl IX Por, sm aprnt Frac Por- 2RX. NS.

2788' (-1333)
HUNTON

Sl SFO

Trc SFO

VESS OIL CORP
PHILLIPS-
MINGENBACK #1
2540'FNL & 1690'FEL
SEC 25-24S-04E
BUTLER CO., KS
API# 15-015-23902