

MIS-19s-3/W

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INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 05 2008  
CONSERVATION DIVISION  
WICHTA, KS

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORP.  
 LEASE BALL UNIT # 1  
 FIELD Grigston SW  
 LOCATION 1320' FSL & 2970' FEL (E/2 E/2 SW/4)  
 SECTION 9 TOWNSHIP 19S RANGE 31W  
 COUNTY SCOTT STATE KANSAS

ELEVATIONS

KB 2978' GL 2973'

Measurements Are All  
From KB

API 15-171-20711-00-00

CONTRACTOR L. D. Drilling, Inc.  
 SPUD 11/04/2008 COMP 11/13/2008  
 RTD 4629' (-1651) LTD 4631' (-1653)

ELECTRICAL SURVEYS  
 LOG-TECH: DIL (logged going in hole) (No CNL/CDL)  
 (DIL & CNL/CDL tools STUCK @ TD) (See Chrono)

CASING

SURFACE 8 5/8" 24#/FT L.S. SURF  
CSG SET @ 434' KB.

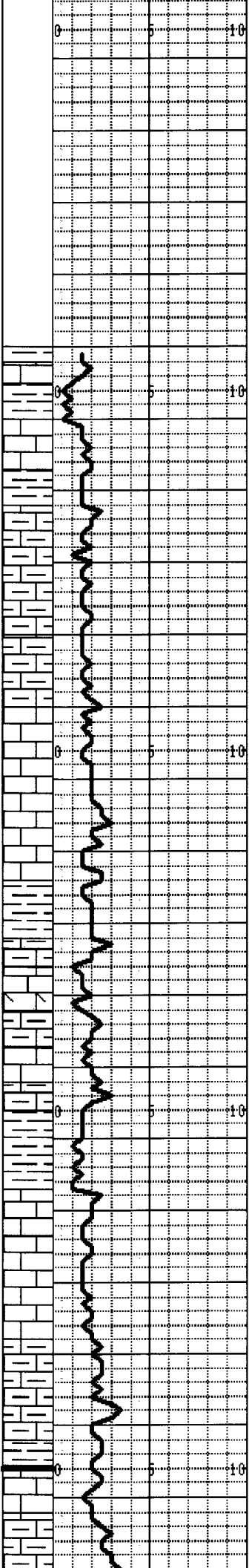
PRODUCTION N/A (P & A)

MIS-19s-3/W

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
ANHYDRITE	2258' (+722)	2254' (+724)	10/31/2008- MOVE RIG TO LOCATION.
BASE ANHYDRITE	2270' (+708)	2270' (+708)	11/04/2008- RIG UP L.D. DRILLING RIG #1.
TOPEKA	3659' (-681)	3658' (-678)	RUN 10 JTS 8 5/8" 24#/FT L.S. CSG, TALLY 426'
HEEBNER	3903' (-925)	3902' (-924)	SET @ 434' KB. ALLIED CMTING. PLUG DWN 10:00 PM.
LANSING	3948' (-968)	3945' (-967)	11/05/2008- DRLG @ 485'- DRILL PLUG @ 6:30 AM.
STARK	4237' (-1259)	4234' (-1256)	MUD: WT 8.7, VIS 27, PV 1, YP 2, pH 7.0,
SWOPE	4245' (-1267)	4242' (-1264)	WL n/c, CI 200, LCM 0#.
B/KC	4343' (-1365)	4338' (-1360)	11/06/2008- DRLG @ 1740'.
MARMATON	4370' (-1392)	4368' (-1388)	11/7/2008- DRLG @ 2740. MUD: WT 9.5, VIS 30,
PAWNEE	4445' (-1467)	4442' (-1464)	PV 1, YP 2, pH 7.0, WL n/c, CI 14,500, LCM 1#.
FT SCOTT	4490' (-1512)	4487' (-1509)	11/08/2008- DRLG @ 3360'. MUD: WT 9.6, VIS 32,
CHEROKEE SH	4510' (-1532)	4508' (-1530)	PV 2, YP 3, pH 7.0, WL n/c, CI 7800, LCM 3#.
EROS MISS	4581' (-1603)	4575' (-1597)	DISPLACE @ 3500'.
SOLID MISS (ST. LOUIS)	4585' (-1607)	4581' (-1603)	11/09/2008- DRLG @ 4005'. MUD: WT 8.9, VIS 49,
SPERGEN DOLO POR	4614' (-1636)	4610' (-1632)	PV 18, YP 16, pH 10.5, WL 8.0, CI 1700, LCM 1#.
LTD/RTD	4631' (-1653)	4629' (-1651)	11/10/2008- DRLG @ 4460'. MUD: WT 9.2, VIS 48,
			PV 14, YP 13, pH 9.0, WL 8.0, CI 1800, LCM 6#.
			11/11/2008- ON BTM WVDST #1 @ 4613'. MUD: WT 9.2,
			VIS 54, PV 16, YP 15, pH 9.0, WL 7.6, CL 1700, LCM 8#.
			11/12/2008- W/O LOGGERS @ RTD 4629'.
			E-LOG LOG TOOLS (DIL & CNL/CDL) STUCK IN HOLE
			@ LTD: 4631'. (DIL logged on TIH) RECOVERED
			E-LOG TOOLS w/ SIDE-DOOR OVERSHOT TOOL
			(UNABLE TO LOG w/ CNL/CDL TOOL)
			11/13/2008- PLUGGING WELL @ RTD 4629'.
			DEVIATION SURVEYS
			1/4 DEGREE @ 437'.
			1/2 DEGREE @ 4613'.
			PIPE STRAP 1.73' LTB @ 4613'.

**REMARKS:** Through sample analysis, drill stem testing, and E-log evaluation, it was determined that there were no zones of commercial interest in this test well. Therefore the Vess Oil Corp. Ball Unit # 1 was plugged and abandoned.





-3500

LS: gy, sn & argil Mdst

SH: gy-bk (gray-black), gn-gy (green-gray)

LS: cm-tn-gy (cream-tan-gray), Wkst-Pkst- fos, Vpr-pr Por; NS (No Show)

SH: gy (gray)

LS: cm-gy-tn, Wkst-Pkst, sl fos, sm dn Mdst & chky LS; Vpr Por; NS.

LS: AA (As Above); sm argil; Interbedded (I-bed'd) w/ SH: AA.

LS: cm-gy-tn, sm Wkst-Pkst; sl fos, sm dn Mdst, sm wh-chky; Vpr-pr visbl Por; NS.

LS: tn-gy, dn Mdst.

LS: cm-tn, microXln(mXln)- Rare prt fnXln(fnX); Wkst-Pkst; Trc Md- CrsX's- 2nd ReX; pr-Fr Por; NS.

SH: gn-gy

LS: cm-tn, mXln-fnX, V rare (Vrr) Md- Crs X's - 2nd ReX, sm sl dolomc; sm Wkst-Pkst; pr-fr Por. NS.

LS: cm-tn, mXln-fnX, Vrr MdX- CrsX's- 2nd ReX, sm sl dolomc, pr- Fr Por: IXP, vug Por; NS. Sm Wkst-Pkst w/pr- Fr Por; NS.

-3600

LS: gy, dn & argil Mdst.

SH: gy-bk, sm calc & Lmy

LS: gy, dn - mXln, Mdst; Vpr Por - NVP (No Visbl Por). NS.

LS: cm-tn, mXln, Wkst-Pkst - sm fos, Vpr-pr Por: pp, IGr. Por; NS.  
Sm wh-chky LS.

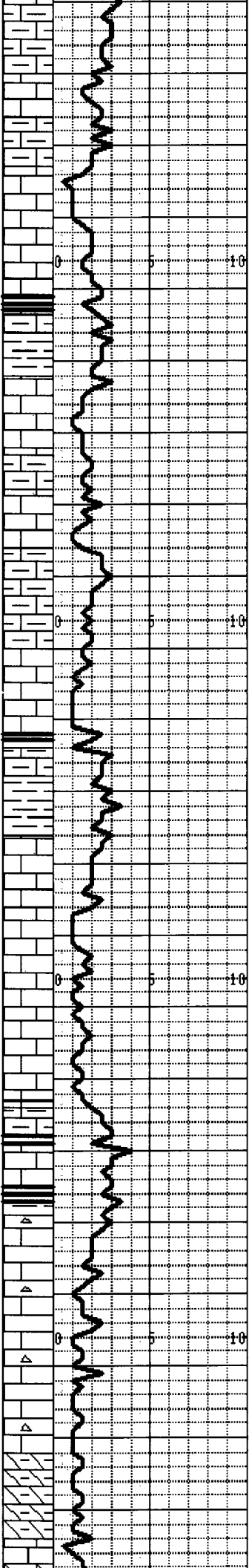
LS: AA; cm-gy, chky to dn Mdst; & gy dn & argil Mdst.

SH: gy-bk

LS: cm-tn, Wkst-Pkst - sl fos; pr visbl Por; NS.

LS: dk gy-bk

3656' (-678)  
TOPEKA



L S: AA; pr Por-NVP; NS.

& SH: AA

-3700

L S: tn-gy-cm, mXh, Vfnly granl- Pk-Grst w/ Fr-Gd Por: pp, Vfn oomldc, & IGr Por; NS.

L S: gy, Wkst-Pkstw/ Vpr-pr Por; NS.

SH: bk carb. & L S: gy, dn & argil Mdst.

SH: gy-bk & gn.

L S: cm-tn-gy, mxh-fnX, sm Pkst-Grst w/ Fr-Gd Por: IGr, pp, Vfn oomldc Por; NS.

L S: cm-tn-gy, mXh-fnX, sm Pkst- fos & ool, pr-Fr Por; NS. Sm wh-chlky L S; Sm dn Mdst, Vpr-NVP; NS.

L S: AA?? No 3780' sample!

L S: cm-tn, mXh-fnX, sm Pkst-Grst- fos w/ Fr-Gd Por: IGr, sm IXP; NS.

SH: bk carb. & L S: cm-gy, dn Mdst.

SH: dk gy, gn, rd

L S: cm-tn, dn Mdst & Wkst w/ Vpr Por- NVP; NS. Sm wh-chlky L S.

-3800

L S: cm-tn, Rare (Rr) Pk-Grst- fos w/ Fr-Gd Por; NS. Sm wh-chlky & subchlky L S.

L S: tn-gy-wh, sm mXh-fnX w/ pr-Fr IXP; NS. Sm Wkst-Pkstw/pr Por; NS. Sm wh-chlky; NS.

SH: AA.

L S: tn-gy, dn Mdst.

SH: AA; Rr bk carb.

L S: tn-gy-wh, sm mXh w/ Vpr-pr IXP; NS. Sm Pkst- fos, pr-Fr Por: pp, Ifos, Iool Por; NS. Rr Grst- fos, w/ Fr-Gd Por: IGr Por. & Ifos Por; NS. Sl Cherty. Sm wh-chlky L S; NS.

L S & Dolomic L S (D L S): gy-ta microXh (mXh), argil- Dolomic Mdst, w/ Vpr-pr visbl Por; NS.

D L S- D O L O: tn-bn, tn-bf-cm, mXh-fnX, sm sucro, Trc Mdst

CrsXs- 2nd ReX, Fr visibl Por: micro InterXn Por (m-LXP) -  
IXP (InterXn Por; NFO (No Free Oil); NF (No FLR); NC (No  
Cut) Sl Cherty. Sm wh-chlky LS; NS. Sm argil-shly D.LS-  
D.O.L.O w/bk SH.

-3900

HEEBNER SH: bk carb- V carb.  
LS: tn-gy-bn, dn-mXn, pred Mdst.

SH: h-dk-gn-gy & rd, (sm bk carb AA).

TORONTO LS: cm-tn-gy, mXn-fnX, sm m-sucro-dolomc, sm  
wh-chlky, sm fos- granl-fragmnl-Pkst & Wkst; pr-Fr Por:  
IXP, pp, Ifos, I.Gr, Fr Gd vug & fos mold Por; NS. Sl Cherty:  
cm-tn-gy, sm fos.

LANSING LS: tn-gy-wh, mXn-fnX, Vrr prt Md-CrsX 2nd  
ReX, sm ool & fos- Pkst, Vrr Fr Por; NS. Sl Cherty: cm-wh,  
fos. Sm wh-chlky LS.

LS: AA; sl incrs wh-chlky. Sm dn Mdst.

SH: gy-bk & bk carb.

LS: AA; & SH: AA.

LS: tn-gy-wh, dn-mXn-fnX, sm fos- Pkst w/ Fr Por: vug,  
Ifos Por; NS. Sm wh-chlky. Sm dn Mdst-Wkst; pred pr Por-  
NVP; NS.

-4000

LS: wh-gy-tn, sm V.Chlky, sm mXn-fnX, sm Pkst-Wkst &  
Mdst w/ pr-Fr Por: vug & pp (p in point) Por w/ NS. Vrr Pkst  
w/ Fr-Gd Por: Ifos, I.Gr; Trc fa oomldc w/ Fr-Gd Por; NS.

LS: gy-tn-wh, Mdst-Wkst & Fr Pkst, pr Por-NVP; NS. & SH:  
incrs gy-bk SH.

LS: wh-tn-gy, sm motl'd, prt chlky to V.chlky, prt ool & fos-  
Pkst-Grst, Vrr prt oomldc; Fr Por: Lool & Ifos & oomldc Por;  
NS.

Sm argil-shly LS.

SH: AA.

D L S-D O L O : bf-tn, micro Xn-fnXn, sucro w/sm Fr-Gd Por:  
IXP, pp-vug Por; NFO; sm dull MNRL.FLR. NC. NO(No  
Odor) NS. Cherty: wh-gy, opq, sm fos.  
Sm dolomc Wkst-Pkst & chlky LS w/pr visibl Por; NFO; NC.

SH: (Fr) gn-gy, rd.

LS: tn-gy-bn, mXn-fnXn, Fr Md-CrsXs- 2nd ReX, prt oomldc  
to V.oomldc, w/ Fr-V.Gd Por w/ NFO; NC; V.dull to NF (sm  
dull MNRL.FLR); No odor. Sm wh-V.chlky LS- NS.

LS: tn-gy-wh, dn-mXn-fnX, Trc Md-CrsXs- apmt  
Frac Edges; pred Mdst w/ Vpr-NVP; NS.

-4100

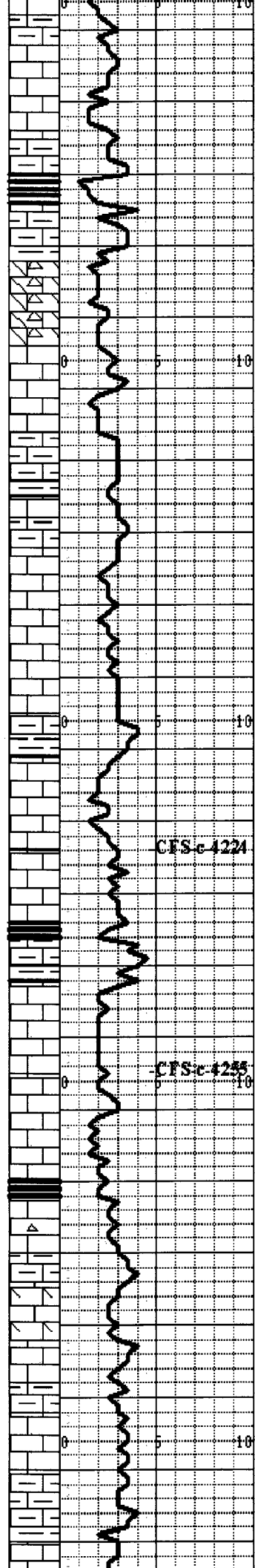
LS: sm wh-chlky & V.chlky, sm gy-tn-wh, dn-mXn-fnX, pred  
Mdst & Wkst w/ Vpr Por-NVP; NS.

3902' (-924)

HEEBNER SH

3945' (-967)

LANSING



L S: gy-ta-wh, dn Mdst-Wkst, sm mXh-fnX, sm wh-chlky, pred Vpr-NVP; NS. Sm Wkst-Pkst w/ pr-Fr Por: pp - vug, I Gr.Por; NS.

SH: bk carb-V.carb.

L S: ta-gy-bn, dn-hd- mXh-fnX-CrsXs-2nd ReX, pred Vpr-NVP; NS.

D L S-D O L O : bf-ta, microXh(mXh)-fnXh, sm sacro w/ pr-Fr Por: IXP; NS. Sm dn hd w/ Vpr-NVP; NS; Sm dull MNRL FLR; NC. NFO.

L S: wh-chlky, & gy-ta, mXh-fnX, Mdst-Wkst, Vpr-NVP; NS.

L S: ta-gy-wh, mX-fnXh, Vrr prt oomldc & ool & fos - Pkst w/ Fr Por: Iool & Ifos & oomldc & IXP; NS.

L S: ta-gy-bn, dn Mdst, sm argil-shly & Fr SH: gy-bk.

L S: ta-gy-wh, sm motl'd - ool & fos Pkst, Rr V.ool w/pr Por; Vrr Fr Iool Por; <5% w/ spt'd dead Sm (dd.Sm); Trc O.STN; Trc SFO; >99% Barren; Sm subchlky Wkst-Pkst & chlky L Sw/ Vpr Por -NVP w/NS. Sm dn Mdst.

Trc SFO

-4200

L S: ta-gy-bn, ta-wh, sm motl'd Wkst-Pkst, sm Mdst, Vpr-NVP; NS. & SH: gn-gy, bk subcarb.

(Jm) L S: gy-wh-ta, sm motl'd, mXh-fnXh, Rr prt MdXh, sm dolomc, sm ool & Vrr oomldc, Pkstw/ pr-Fr Por: Iool, IXP, pp-vug Por; >99% Barren, Trc SFO-STN & Cut, Trc Odor on brk. Sm wh-chlky to V.chlky.

Trc SFO

CFS-c-4224

L S: ta-gy, dn Mdst & wh-chlky L S; Vpr-NVP; NS.

STARK SH: bk carb - V.carb. & L S: gy-bn-ta, dn Mdst-Wkst-sm sl fos, Vpr-NVP; NS. SH: AA; & gy-bk & gn.

4234' (-1256)

STARK SH

4242' (-1264)

SWOPE LS

NFO

SWOPE (Km) L S: cm-ta-gy, mX-fnXh, Vrr prt MdXh; sm Pkst-Grst, fos & ool, w/ Fr Por: I.Gr, Iool, Ifos, & IXP. NFO. NC. & L S: ~20% chlky to V.chlky; sm dull- subbright FLR - NC (No Cut).

CFS-c-4245

L S: ta-wh, sm dn to chlky, Mdst, Sm mX-fnXh prt oomldc, Pkst, sm Fr-Gd Por w/ NFO; Sm pr-Fr pp-vug Por; NS.

SH: bk carb-V.carb.

L S: ta-gy-bn, sm motl'd, mX-fnXh, Trc Md-CrsXs, sm 2nd ReX, sm Pkst; Vpr-pr visbl Por: IXP, IGr, pp-vug Por; <1% w/ spt'd O.STN & Cut, Trc SFO; >99% Barren; Sl Cherty; Sm wh-chlky L S.

Trc SFO

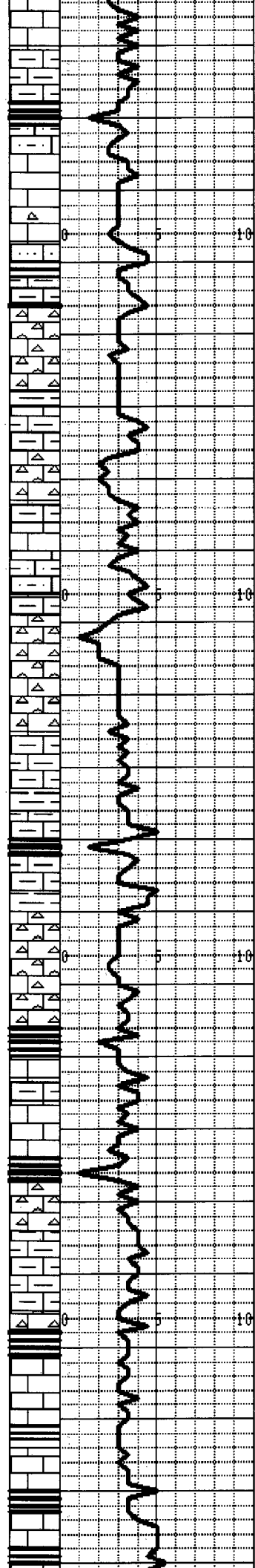
L S: cm-ta-gy, sm motl'd, mX-VfnXh, sm sl dolomc, sm fos & fnly granr Pkst w/pr-Fr Por: I.Gr, Ifos, IXP; NFO; Trc dead Sm, Trc Cut.

-4300

L S: ta-gy-wh, mXh-fnX, sm ool & fos- Pkst & Wkst, Vpr-pr Por: Iool, Ifos, IXP, IGr Por; NFO. Trc dd.Sm, Trc pr Cut; Sm wh-chlky; Abndt dn Mdst-Wkst w/ Vpr-NVP. NS.

L S: ta-gy-wh, dn Mdst-wkst & chlky L S w/ Vpr-NVP; NS.

SH: (Rr) gn-gy-bk



L S: tn-dk-gy-bk, mXln-fnX, pred dn Mdst, sm argil-shly, Vpr-NVP; NS.

SH: bk carb. & SLITS: gy, calc

L S: cm-tn-gy, mXln-fnX, Rr Pkst- fos & oolw/ Vpr-pr Por; Trc dead Str & Cut; NFO. Cherty: tn-gy-bn, & blu-gy, shrp, opq. Pred dn Mdst Wkst.

Trc Sndy L S: lt gy, Vfn Gr'd w/ bk dd (dead) Str; NFO. Trc Cut.  
SH: V. gated; gn-gy, rd, sm calc & Lmy, sm bk carb.

MARMATON L S: wh-tn-gy, mXln-fnX, sm Wkst-Pkst, prt chky, Cherty: tn, transl-opq, shrp. Vpr Por; NS.

SH: gn-gy, sm calc & Lmy; & L S: argil-shly.

L S: tn-gy-wh, prt chky, wsm Wkst-Pkst; Vpr-pr Por: pp-vug, l ool & l fos Por; NFO; NC; NS; Cherty: AA

-4400

L S: cm-gy-tn, silty, Vfnly sndy-Mdst; Vpr Por; NS.  
SH: gy-bk, sm calc & Lmy.

L S: cm-tn, sm microXln-MdX, sm ool & fos Pkst w/ pr- Fr Por; l Gr Por; NFO; NC; NS; Cherty: cm-wh, fragmantl. Sm wh-chky L S; NS. Pred dn Mdst- Wkst.

L S: gy-tn-cm, sm Wkst-Pkst w/ Vpr-pr Por; >99% Barren; Trc spt'd FLR & Trc SFO - Vpr Por & microFrac's & Edges.

L S: dk gy argil-shly Mdst. Sm cm-tn-wh subchky to wh-chky L S w/ Vpr Por-NVP w/ NS.

SH: bk carb- V. carb.

PAWNEE L S: cm-tn, gy-bn, dn-mXln-fnX, Vpr-pr Por & m-Frac's w/ Vpr FLR; Trc SFO, Cherty. & SH: gn-gy-bk.

SH: bk carb- V. carb.

L S: tn-gy-wh, motil'd, mXln-dn-chky, sm ool & fos Pkst & Wkst, sm pyrite, sm Vpr-pr Por; Vrr (<5%) w/ Fr Por; ~10% w/ spt'd-sat. FLR & V.l. STN-Cut; ~5% w/ SI SFO & Gas Bubbles (GB); Cherty. V sl Odor (SI Odor on brk); ~90% Barren w/ pr Por - NVP.

L S: lt-dk-gy-tn, dn-mXln, Mdst- Wkst; Cherty: blu-gy, shrp. Pred Vpr-NVP w/ NS.

L S: tn-gy, dn Mdst- Wkst, argil, Cherty. Vpr-NVP; NS.

L S: cm-tn-gy, dn- mXln, Mdst- Wkst, Rr ool & fos Pkst w/ Vpr Por; Trc FLR, Trc SFO; >99% Barren.

SH: bk carb- V. carb; Trc Coal.

FT. SCOTT L S: cm-tn-gy, motil'd, Pkst, sm mXln-fnX, sm sl chky, sm pyrite; sl Cherty; Vpr-pr Por: pp- l ool, Trc Fr Por; V rare (Vrr) (<5%) w/ spt'd FLR & O. STN & VS1.SFO & Cut; >99% Barren w/ pr Por - NVP.

-4500

L S: AA; & tn-gy-bn, dn hd Mdst, argil, Cherty, pred Vpr-NVP w/ NS.

CHEROKEE SH: bk V. carb; & sm gn-gy.

L S: lt-dk-gy-gy, tn-cm, sm motil'd, sm Pkst: ool & fos, & Wkst, sm argil-shly Mdst; Vpr-NVP; NFO. & SH: AA.

SH: bk carb. &

L S: gy-tn, dn & argil Mdst- Wkst, Vrr Pkst w/ Vpr-NVP; NS. l bed'd w/ SH: AA.

L S: tn-gy-wh, mXln-fnX, sm Pkst & Wkst w/ Vpr-pr Por; Trc dead Str; NFO; sm argil-shly; sm chky. Abndt dn Mdst.

4338' (-1360)  
B/ KC

4366' (-1388)  
MARMATON

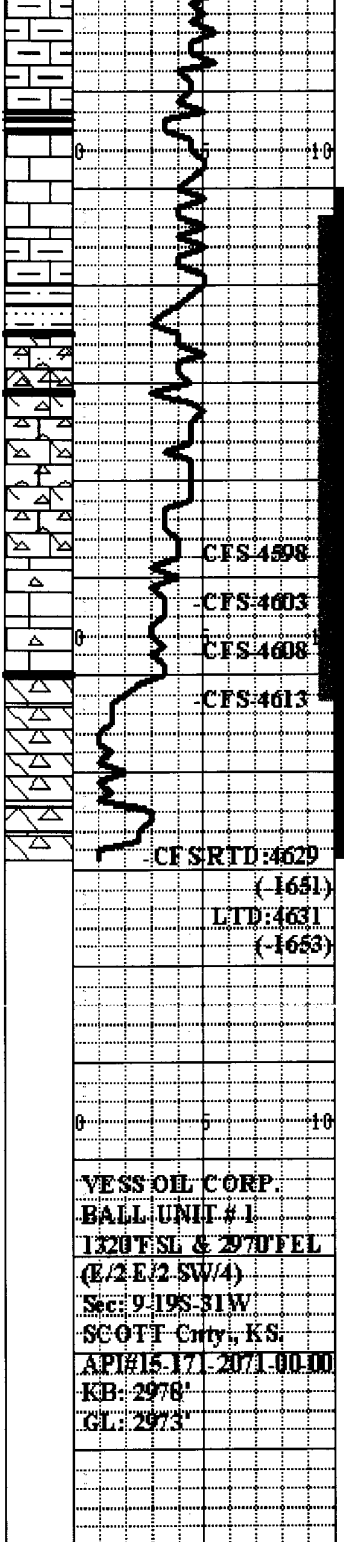
Trc SFO

4442' (-1464)  
PAWNEE

Vrr SI SFO-SGB

4487' (-1509)  
FORT SCOTT  
Vrr VSL SFO

4508' (-1530)  
CHEROKEE



-4600

-4700

L S: tn-gy-bn, dn hd & argil Midst-Wkst, sm shly, Vpr-NVP; NFO.

SH: gy-bk sub carb-carb.

L S: tn-gy-bn, gy-wh, pred dn Midst, sm chky, Vpr Por: mic-p Por; Trc dead(dd) Str; NFO.

L S: cm-tn-gy-bn, sm mottld, mXh-fnX, sm Pkst: ool & fos w/ Vpr-pr Por: Lool & lfos & LGr Por; Vtr (<5%) w/ spt'd dd Str; Trc SFO-STN-Vpr Cut; V dull FLR to NF.

Trc SS: Sd Chsters: gy-transl, Win-Md Gr'd, well cmt'd-cak, pr Por w/ dd Str, Trc SFO-STN-Cut.

EROS MISS. CHERT: (2.5%) transl-bf-tn, blu-gy, Qtz, Trc Sndy, sm pyrtc, Fr FLR-Vsl SFO-STN-Cut, Trc D.LS: gy-bn, m-VfnXh, argil, pyrtc, pr Por-subsat O STN-SISFO-Cut.

MISS. ST LOUIS L S: cm-tn-gy, mXh-fnX, sm sl dolomc, sm fn ool Pkst, w/ Vpr-pr Por: IXP, Lool, micro Frac Por; <5% w/ spt'd FLR & Trc SFO-Cut; V Cherty: cm-blu-gy, AA.

L S: cm-tn-gy, mXh-fnX, pred ool Pkst: sl fos, sm wh-chky; Vpr-pr Por: Lool & lfos & m-Frac Por; <5% w/ FLR-Trc SFO-Cut; Cherty: AA.

(4608 spl) L S: cm-tn, mXh-fnX, fn ool & sl fos- Pkst-Wkst, sl Cherty; Vpr-pr Por: Lool & m-Frac Por; Trc FLR-SFO-Cut.

(4613 4 Qmin spl) D L S-D OLO: bf-tn, mXh-fnXh, sm suco, Fr-Gd IXP, vug, fos mold Por; spt'd sat. O STN-FLR, Fr-Gd SFO-GB Fr-VGd Cut, Strong Odor. Cherty: blu-gy, shrp, vsl pyrtc.

(4629 circ spl) D OLO: cm-bf-tn, mXh-fnXh-suco, abndt Gd-VGd Por: vug, fos mold, IXP, w/ 80%-90% sat. O STN-FLR-Gd SFO-GB-Cut; Vtr Fr-Gd Barren Por. Vtr dd Str; Stng Odr. Cherty: wh-cm-tn, blu-gy, fos, sm dolomc. D L S-D OLO: bf-tn, m-VfnXh, sm dn, pred pr-Fr IXP, SISFO-STN-FLR-Cut; sl incrs dd Str; sm D OLO: bf-tn, m-fnXh-suco w/ Fr-VGd Por: vug, fos mold, IXP; subsat-sat. O STN-FLR, Fr-Gd SFO-Cut; incrs ppt Barren Fr Por, Vtr Barren Gd Por, Fr bk dd Str; Strong Odor- sl sour; Cherty: AA.

	DST # 1 Miss Dolo 4563'-4613' 30.45-45-60min.
Trc SFO	IF: wk blw - 4 inch FF: surf blw - 1.25in. 10' OWC M (10%O) (10%W, 80%M) 42' GCWM (5%G) (25%W, 70%M) (<1% oil scum)
4575' (-1597)	62' SIO CM (2%O) (98% Mud)
Eros MISS. SISFO	114' TF (~1.6 bb I)
4581' (-1603)	Tool Spl: 20% W, 80% M, (<1% Oil scum)
MISS. ST. LOUIS	IHP: 2191
SI SFO	IFP: 7-32
Trc SFO	ISIP: 1092
Trc SFO	FFP: 32.56
4610' (-1632)	FSIP: 1090
SPRERGEN DOLO.	IHP: 2191
Fr-Gd SFO-GB	Temp: 133 F. dstw tr. Cl: 6000 ppm
DST # 2 (MISS. SPERG. DOLO.)	
Interval: 4560'-4629'	
Times: 30.45-45-60 min.	
IF: lin. blw-incrs to BOB in 12.5 min.	
ISI: No Blow Back	
FF: 1/2 in. blw-incrs- BOB in 15.5min.	
FSI: Wk (1/8 inch) blow back	
Rec: 50' Gas In Pipe	
13' Clean Oil (33.2 Gravity @ 60deg F)	
176' G & OCWM	
(2%G, 5%O, 46%W, 47%M)	
186' SIO & GCWM	
(8%G, 3%O, 26%W, 63%M)	
248' SIO CM Water	
(2%O, 79%W, 19%M)	
623' Total Fluid (~8.9 bb S)	
Tool spl: ~11% M, 79% Water (w/ scum of Oil)	
DST Water Cl: 13,500 ppm	
Mud system Cl: 1,700 ppm	
IHP: 2171 IFP: 23-152	
ISIP: 1059 FFP: 157-287	
FSIP: 1053 FHP: 2163	
Max. Temp: 141 deg F.	

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