ROGER L. MARTIN
INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION

LEASE WILSON 'A' # 452

FIELD EL DORADO

LOCATION 2310' FNL & 500' FEL

SECTION 7 **TOWNSHIP** 25S **RANGE** 5E

COUNTY BUTLER **STATE** KANSAS

ELEVATIONS

KB 1405' **GL** 1399'

Measurements Are All From KB:1405

API 15-015-24019-0000

CONTRACTOR C & G DRILLING; RIG #1

SPUD 04/09/2014 **COMP** 04/15/2014

RTD 2455'(-1050) **LTD** 2455'(-1050)

ELECTRICAL SURVEYS

Nabors C&P Services: DIL, CNL/CDL/PE, MEL

CASING

SURFACE 6 jts 8-5/8" set @ 262' w/150 sx Class A, 3% cc

PRODUCTION 59 jts 5-1/2" set @ 2452.5' w/150 sx Thickset

FORMATION TOPS	LOG	SAMPLES
ADMIRE 550	NP	
ADMIRE 650	742' (+663)	
BURLINGAME	853' (+553)	
WHITE CLOUD LM	944' (+461)	
WHITE CLOUD SD	951' (+454)	
OREAD	1408' (-3)	
HEEBNER	1447' (-42)	
DOUGLAS	1473' (-68)	
LANSING	1713' (-308)	1714' (-309)
BASE/LANSING	1844' (-439)	
KANSAS CITY	1989' (-584)	1990' (-585)
STARK	2090' (-685)	2090' (-685)
BASE/KANSAS CITY	2145' (-740)	2145' (-740)
CHECKERBOARD	2221' (-816)	2222' (-817)
ALTAMONT	2263' (-858)	2260' (-855)
CHEROKEE	2336' (-931)	2335' (-930)
ARDMORE	2390' (-985)	2390' (-985)
EROSIONAL ARBUCKLE	2404' (-999)	
ARBUCKLE	2438' (-1033)	2439' (-1034)
LTD/RTD	2455' (-1050)	2455' (-1050)

CHRONOLOGY

04/08/2014- MIRU C&G DRLG RIG #1, Drill rathole, start @ 11 AM, Drill Kelly down, stop.

04/09/2014- SPUD 12-1/4" hole @ 7:45 AM. 9:30 AM drawworks engine blew up. Get rebuilt engine fr OKC.

04/10/2014- Back to drilling @ 2:30 PM. TD 12-1/4" hole @ 263' @ 6:30 PM. Run 6 jts 8-5/8" 23#/ft csg= 254'; Set @ 262' KB. Consolidated Cement w/150 sx Class A, 3% cc, curc, good cement. Plug down @ 8:30 PM.

04/11/2014- 560'. Drill under surface @ 4:30 AM w/ PDC bit. Mud up @ 1500;. Bit trip @ 1677; SHS @ 1677= 1/2 deg.

04/12/2014- Drlg @ 1850'. MW 9.1, VIS 36, LCM 3#.

04/13/2014- Drlg @ 2263'. MW 9.3, VIS 41, WL 8.2, LCM 2.5#, SHS @ 2173'= 1/2 deg. Short trip @ 2391'

04/14/2014- Circ @ 2450'. Ran DST #1.

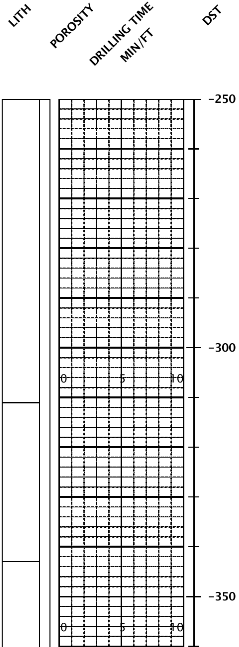
04/15/2014- Logged well; RTD/LTD 2455'.

REMARKS:

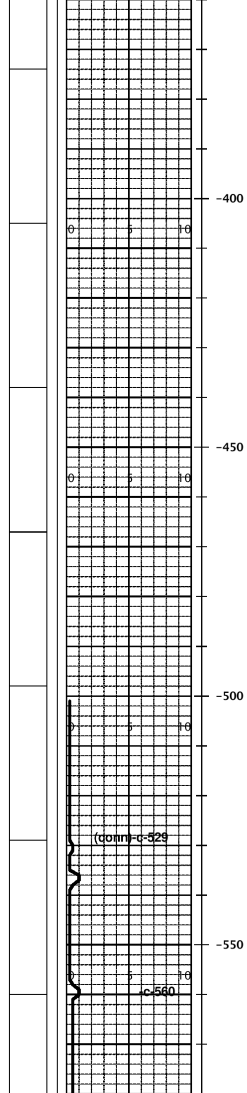
CASING JOB: Ran 59 jts 5-1/2" 15.5#/ft J-55 Casing, tally= 2456.29', plus packer shoe = 2.50'. TOTAL = 2458.79', Set @ 2452.5' KB. Tagged TD @ 2455 and picked back up 2.5', Circ 20 min. Put on 6 centralizers and 1 basket. Packer shoe set @ 1750#. Circ for 20 min. Consolidated Services pump 500 gal mud flush. Cement rathole w/ 25 sx. Cemented w/ 150 sx Thickset. Lift pressure to 700#. Land plug @ 1300# @ 12:30 PM o4/15/14. Release, it held. Set slips and cut off casing. (C.Coats, VOC)

**E-log tops by P. Ramondetta, Geologist, VOC

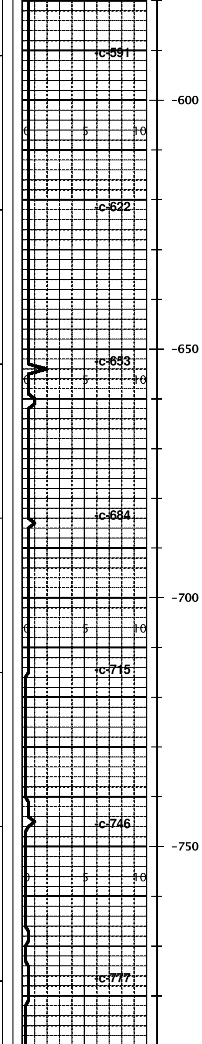
Respectfully submitted,
Roger L. Martin, Geologist (Wellsite)



SAMPLE DESCRIPTION	REMARKS
311' sample(spl)}Pred Cmt & SH; Rare(Rr) LS: sm argil; sm microXln(mx) to fnXln; Trc pr-Fr Inter Xln Porosity(IXP) w/ sat FLR & STN & VSlSFO.	**{VSI SFO)**
343'spl} Pred Cmt & SH: AA; Sm LS: gy, argil- dn- mx; V.rare(Vrr) mx-fnXln w/ pr-Fr IXP w/ subsat- sat FLR & STN & VSlSFO & Cut.	**{VSI SFO)**
374'spl} SH: gy & gn; & sm LS: cm-tn, Wkst & Pkst w/ pr-Fr Poro; Trc STN-FLR-SFO; Trc Dolo: cm-tn, fnXln w/ pr-Fr IXP w/ sat FLR & STN & Very Sight Show Free Oil(VSlSFO) & Sl-Fr Cut.	**{Trc SFO)**



405'spl} SH:AA; & Trc Sndy LS w/ Inter Granlr Poro(IGr.P) w/ FLR-STN-SFO; LS:AA, pred dn & argil w/ Vpr-NVP.	**{Trc SFO)**
438'spl} LS: cm-tn, mx-fnXln, sm fos Pkst, pr-Fr Poro; Vrr spt'd to sat FLR & STN & VSlSFO; sm wh-chky LS; & SH:AA & argil LS:AA.	**{VSl SFO)**
467'spl} LS: cm-tn, mx-fnX; & sm granlr- Pkst w/ pr-Fr Poro; Vrr spt'd- subsat STN- pred dead(dd); Trc SFO & Cut.	**{Trc SFO)**
498'spl} Sm LS:AA; Vrr O.STN; Trc SFO; Pred SH: AA.	**{Trc SFO)**
529'spl} Rr LS:AA; Trc Poro w/ STN-FLR-SFO-Cut; pred dn LS: Mdst, & SH:AA.	**{Trc SFO)**
560'spl} LS: Pred gy dn Mdst; & SH: gn-gy, sm bk carb.	
591'spl} SH-SILTS: lt-dk-gy, sm micac; & sm LS: gy, dn Mdst- sm argil.	



622'spl} Abndt SH: bk, dk-gy, sm bk carb; sm dn & argil LS:AA; & sm SILTS & Silty SS: Sd Clust: lt-dk-gy, sm tn STN, Vfn Gr'd, micac, Vrr(<5%) fiabl w/ pr-Fr IGr.Poro w/ subsat- sat STN & FLR & Sl-Fr SFO & Gas Bubls(GB) (pred clear filmy, "live" looking, Free Oil; on brk) Vsl Cut; Very Slight(Vsl) Odor.

{Sl- Fr SFO&GB)

653'spl} Trc Silty Sd:AA w/ FLR-STN-SFO-Cut; Abndt LS: gy-tn-cm, pred dn- mx-fnX; w/ pr Poro-NVP w/ NS.

684'spl} LS:AA; & dn-argil w/ Vpr-NVP; NS; & SILTS: gn-gy, sm sndy, micac; & Silty Sd Clust: VfnGr'd, micac w/ pr-Vpr Poro; w/ NS; sm pyrtc.

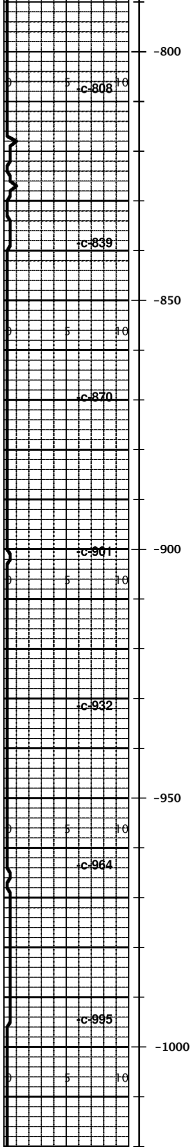
715'spl} Pred SH: gy; & SILTS:AA; LS: pred argil- silty; Vpr-NVP; NS.

746'spl} SH-SILTS: gy-bk, sm micac.

777'spl} SS; Frly Abndt Sd Clust: gy, Vfn-fnGr'd, anglr-Rnd'd, pred well cmt'd w/ Vpr-pr visbl Poro; Rare(Rr) fribl w/ Fr-Gd IGr.Poro; >5%<10% w/ spt'd-sat brt FLR & STN & Sl-Fr SFO & Cut, VSl Odor; Sm Sndy argil LS w/ Vpr Poro-NVP.

{Sl SFO)

808'spl} SILTS: gy-bf, sm micac, sm Sndy; sm Sd Clusters: sm silty, sm calc & Lmy; pred Vpr-NVP w/ NS; & SH; sm bk carb.



839'spl} SH & SILTS:AA; & LS: abndt gy, argil Pkst; Vpr-NVP w/ NS.

870'spl} Abndt LS (>50%) LS: cm-tn, pred dn, sm Pkst & mx-fnXln; <5% w/ pin point (pp) Poro & IXP w/ subsat- sat STN & FLR & Sl-Fr SFO & Cut; Trc Odor.

{VSI SFO)

901'spl} V.Abndt LS: tn-wh, pred dn & mx-fnX; sm Pkst-fos; Trc Poro w/ STN-FLR-SFO-Cut; pred Vpr-NVP; NS.

{Trc SFO)

932'spl} Abndt LS: tn-wh-gy, pred dn, prt chlky, sm mx-fnX; sm fos; Vpr-NVP; NS.

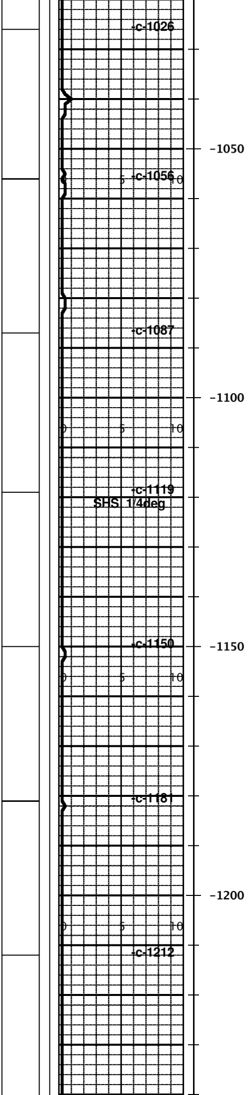
964'spl} Pred gy-bk, sm micac; Rr Sndy SILTS w/ Vrr (~5%) STN-FLR-SFO-Cut; Vrr (<3%) SS-Sd Clust: gy w/ tn STN, VfnGr'd, Silty micac, well cmtd to friabl w/ pr-Fr Poro w/ subsat- sat STN & FLR & SlSFO & Gas Bubls(GB)- Condensate(Cond).

{VSI SFO)

995'spl} Pred SH: bk & dk-gy; & SILTS:AA; >5%<10% w/ brt FLR & SlSFO & spt'd-sat STN & Cut; & <3% SS-Sd Clust: gy w/ tn STN, VfnGr'd, micac, silty, pr-Fr visbl Poro w/ brt FLR & Sl-FrSFO & Cut; Trc LS:AA w/ Poro w/ SFO-FLR-STN-Cut.

{Sl SFO)

1026'spl} Pred SH: gy & gn, (Trc Sd Clust:AA w/ FLR-SFO)



1056'spl} LS: gy-tn-cm, sm mot- Wkst-Pkst; sm argil & dn & Mdst; Vpr-NVP; NS.

1087'spl} Pred SH: gy-bk, & sm LS: tn-gy-bk, argil-shly; Vpr-NVP; NS.

1119'spl} Pred SH: gy-bk; & SILTS: gy, micac; sm LS: dn & argil; Vpr-NVP; NS.

1150'spl} LS: (incrs) gy-cm; Mdst; Vpr-NVP; NS.

1181'spl} LS: cm-gy, granlr-Pkst, sm mx-fnXln; pred Vpr-pr visbl Poro; Trc Fr Poro; <5% w/ IXP, I.fos, & vug Poro w/ FLR & STN, Trc SFO & Cut; Vrr Sndy SILTS & Silty Sd Clust w/ FLR & Trc SFO & Cut.

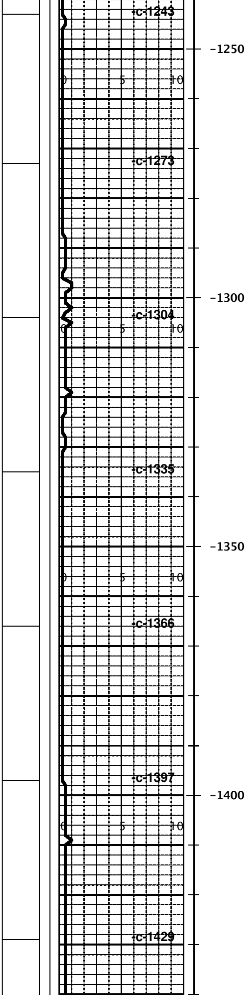
{Trc SFO)

1212'spl} Abndt LS: tn-gy-cm, pred dn; Vrr (<5%) w/ spt'd FLR; Trc SFO & STN & Cut; >99%Barren.

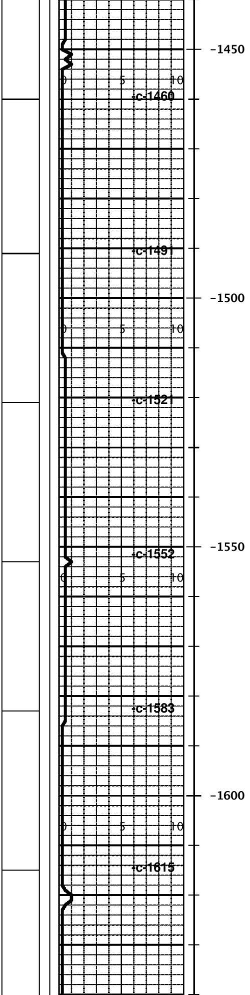
{Trc SFO)

1243'spl} Frly abndt SH: bk carb- V.carb, & gy, gn; Abndt LS:tn-gy-wh, sm granlr - fos- Pkst; sm mx-fnXln; Vrr Vpr-pr Poro: I.Gr & IXP w/ spt'd FLR & Trc SFO, Trc STN & Cut.

{Trc SFO)



1273'spl} Abndt LS: cm-tn, sm Pkst & mx-fnXln w/ pr visbl Poro; <5% w/ FLR & Trc SFO-STN-Cut.	**{Trc SFO)**
1304'spl} Pred LS: wh-tn, sm chlky; sm mx-fnXln, & sm Pkst; Vpr-pr Poro: IGr & IXP; abndt FLR; Trc SFO; Vrr lt STN & Cut; Abndt dn- Vpr Poro; Sm SH: gy-bk.	**{Trc SFO)**
1335'spl} V.Abndt LS: wh-tn, prt chlky; prt dn, sm mx-fnXln, & sm granlr Pkst; sm pr Poro; Vrr Fr Poro: IGr & IXP; <5% w/ brt FLR & VSlSFO & Cut; sm SH: bk carb, & gy.	**{VSl SFO)**
1366'spl} V.Abndt LS: pred dn to chlky; <2% w/ FLR-SFO-Cut, Trc STN; >98% Barren.	**{VSl SFO)**
1397'spl} Pred SH: gy-bk; sm Sndy SILTS & Silty Sd w/ pr visbl Poro w/ NS; sm LS:AA; Trc FLR.	
1429'spl} Pred SH: dk gy, sm micac; Rr SILTS:AA; (Rr LS:AA).	
1460'spl} {OREAD} Pred LS: cm-tn-STN, mx-fnXln, Vrr prt MdX to V.CrsX- 2nd ReX; V.Abndt (>60%) w/ Fr Poro: IGr & IXP w/ subsat-sat brt FLR & lt STN & VSlSFO; Vrr Gd visbl Poro w/ sat FLR-STN-SlSFO; Sl-Fr Cut; Sl Odor.	**{VSl SFO)**



1491'spl} Frly Abndt SH: sm bk carb- V.carb {Heebner) & LS: cm-tn, mx-fnXln; sm granlr & fos Pkst; <5% w/ pr-Fr Poro: IGr & IXP w/ brt FLR & lt tn STN, Trc SFO & Cut; Vsl Odor.

{Trc SFO)

1521'spl} Pred SH: gy-bk; & sm SILTS; & Silty Sd Clust w/ NS; (Vrr LS:AA w/ FLR-STN).

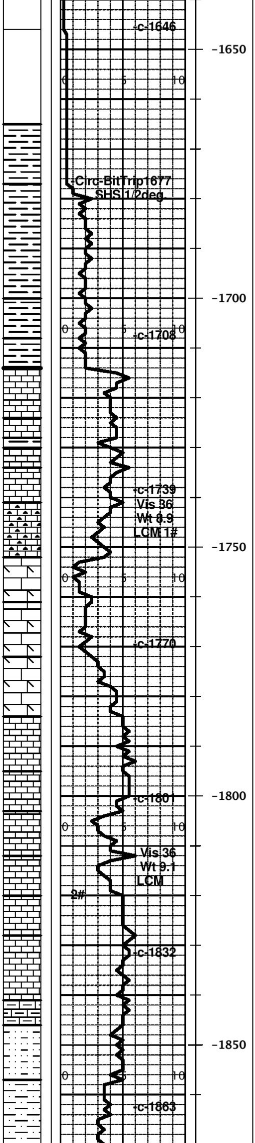
DISPLACE MUD

1553'spl} SH:AA; & SILTS: lt-dk-gy, micac, sm Sndy; & Silty Sd Clust: gy, VfnGr'd, micac, pr visbl Poro w/ NS.

1583'spl} Incrs Sndy SILTS & Silty SS- Sd Clust: lt-gy-buff, VfnGr'd, micac, well cmt'd to subfriabl w/ pr-Fr Poro w/ NS.

1615'spl} SH-SILTS: dk-lt-gy; sm micac & Sndy; Rr Silty Sd Clust: VfnGr'd, well cmt'd, shly; Vpr-pr visbl Poro w/ NS.

1646'spl} Pred SH: gy-bk; & sm SILTS & Silty Sd Clust:AA; NS.



1677'spl} Abndt LS: tn-cm, & bn, pred dn- mx-fnX; Vrr MdX-VCrsX's- 2nd ReX; Vpr-NVP w/ NS; Sm SH:AA.

1677' 30min.circ.spl} SH: AA & gy-blk, Rr pyrtc.

BIT TRIP;
SHS@ 1673'= 1/2 deg

SH: AA, VRr LS: AA.

SH: gy-blk & VRr LS w/NS.

{LANSING} LS: cm-tn, mx- fnx, VRr Md- CrsX's, Pr Poro: pp Poro, IX Poro, mFrac Poro, (~5%) VRr lt STN, VSl SFO, VSl Odor.

1714' (-309)
LANSING
{VSl SFO)

LS: wh-tn, mx- fnxln, sm prt MdXln- CrsX, Fr- Rr VGd Poro: IX Poro, vug Poro, spt'd-sat lt Tn STN, FLR, Sl SFO, Sl Odor.

{Sl SFO)

LS: AA, Pred dn- chlky, VRr Pr Poro w/STN, >10% <20% w/FLR- Sl SFO, Sl Odor.

{VSl SFO)

LS: cm-tn, mx- fnxln & mdxln, sm Fr- Gd Poro: IX Poro, vug Poro, V.Cherty; ~25% w/FLR, subsat- sat STN, Sl SFO, Sl- Fr Cut, VStrng Odor.

{VSl SFO)

DLS-DOLO: bf-Tn-STN, fn- Mdxln w/Crs- VCrs euhedral 2nd ReX, Fr- VGd Poro, >90% w/subsat- sat brt FLR, sat STN, Frly Gd SFO- gassy w/G.bubls, Gd Cut, Strng Odor.

{Fr- Gd SFO)

DLS- DOLO: Tn STN, fn-Mdxln, sm Crs- Vcrs euhedral 2nd ReX, Fr- VGd Por, ~90% w/subsat-sat brt FLR, AA, sat STN, Fr- Gd SFO-GB, Frl- Gd Cut, Frly Strng Odor.

{Fr- Gd SFO)

DLS- DOLO: AA, sm dn- Pr Poro, sm Chert, AA & shrp. ~90% w/FLR-SFO-GB, AA & Odor, AA.

{Fr- Gd SFO)

LS: cm-gy, Pred dn to VPr Poro, sm wh-chlky, ~50% w/FLR-SFO-GB, sm AA, sm dn-mFrac & Frc Edg's w/FLR- SFO.

{Fr SFO)

LS:wh-gy, pred dn & chlky, sm Pkst w/Fr- VRr Gd Poro, ~40% w/FLR-STN-SFO&GB-Odor.

{Fr SFO)

LS: wh-tn-gy, prt chlky, VRr Pkst & mx- fnxln w/Pr- Fr Poro, ~30% w/spt'd- sat FLR, subsat- sat STN, Sl- Fr SFO-GB, Fr Odor.

{Sl- Fr SFO)

LS: wh-tn-gy, prt chlky, VRr Pkst & mx- fnxln w/Pr- Fr Poro w/subsat- sat STN & Cut, ~5% w/FLR0 SFO-GB-Sl Odor; Sl Cherty.

{VSl SFO)

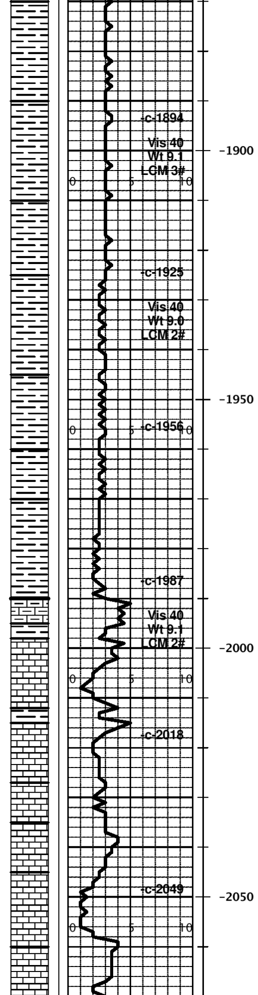
LS: AA, Pred dn- chlky & barren.

LS: cm-gy-tn, dn, mx- fnx, Pred barren w/VPr- NVP.

LS: gy, argil- silty w/VPr- NVP, NS.

SILTS: gy, calc, sm sndy: Vfn Gr'd.

SH- SILTS: lt-dk gy- blk, micac, sm calc.



SH: Pred dk gy, micac, sm calc.

SH: AA.

SH: gy, micac, sm calc.

SH: AA.

SH: AA & sm gy-blk.

SH: AA, Pred dk gy.

SH: AA & gy- blk.

{KANSAS CITY} LS: cm-gy-tn, mot Wkst- Pkst w/VPr-NVP, sm argil; & SH:AA.

LS: wh-gy-Tn STN, sm dn, mx- fnx & Pkst w/Fr Poro, ~50% w/spt'd-sat brt FLR, subsat- sat STN, Sl- Fr SFO & Cut, Strng Odor.

LS: cm-Tn-STN, mx- fnxln & grnlr Pkst w/Fr- Gd Poro, >80% w/spt'd-sat FLR, Sl- Fr SFO&GB, Strng Odor, ~30% w/STN & Cut.

LS: cm-tn, sm dn, sm grnlr, mx- fnxln w/Pr- Fr Poro w/STN, ~40% w/FLR, VSl- Sl SFO & Cut, Sl Odor.

LS: wh-gy-tn, prt chlky, sm Pr IGr Poro, <10% w/FLR, SlSFO & Cut, VSl Odor, Sl Cherty. VRr barren Poro.

LS: wh-gy-tn, sm mot Pkst, ool & fos, <5% w/FLR- SFO & Cut, Pred barren.

LS: cm-tn, mx- Mdxln, sm Crs- VCrsX's, VRr prt mldc & prt ool, sm Fr- Gd IX Poro & IGr Poro, VAbndt (~80%) w/spt'd/sat brt FLR, Sl- Fr SFO & Cut, Fr Odor, ~50% w/spt'd-sat STN.

LS: wh-gy-tn, prt chlky, sm grnlr Pkst- fos, fn ool, ~80% w/spt'd- subsat FLR, Sl SFO & Cut, Fr Odor.

1990' (-585)
KANSAS CITY

(Sl- Fr SFO)

{Sl- Fr SFO)

{VSl- Sl SFO)

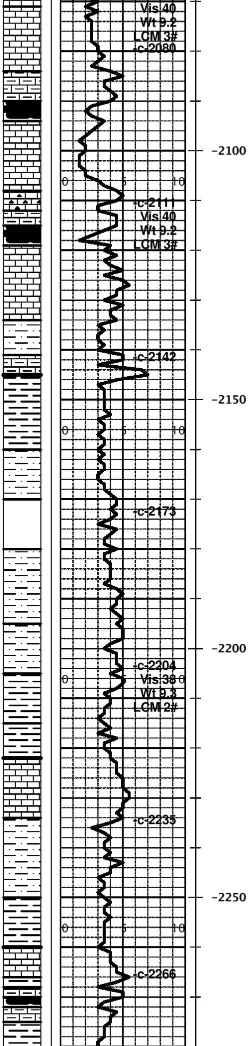
{VSl SFO)

{Trc SFO)

{Sl- Fr SFO)

{Sl SFO)

MUD CHECKS
by FUD MUD:
WT 9.1, VIS 42
PV 28, YP 20
WL 8.8, pH 9.0
Cl 1200, LCM 2.5#



LS: wh-tn-gy, sm mot Pkst, prt chlky & mx- Mdx, <10% w/STN, Pred Pr- VPr Poro, >10% <20% w/FLR- SFO & Cut, Sl Odor

LS: sm AA w/Poro & Rr STN, Pred dn & argil, ~10% w/spt'd-sat FLR, Sl SFO&Cut, Sl Odor.
{STARK} SH: blk carb & Vcarb & subcarb, prt dk gy.

LS: wh-gy-tn, sm grnlr Pkst, mx- Rr fnxln w/Pr- Fr visbl IX & IGr Poro, Sl Cherty; >5% <10% w/spt'd- sat FLR- STN, VSl- Sl SFO&Cut.

LS: Abndt dn- chlky, Cherty.

LS: dn & argil.

SH: blk carb & sbcarb. (Trc LS, AA w/FLR & VSl SFO)

LS: cm-tn-gy, mx- Vfnxln, VRr sucro w/Pr- Fr IX Poro w/subsat- sat STN, Pred dn- Pr Poro & barren.

SH: gy-blk & SILTS.

LS: tn-bn-gy, dn & mx- Mdx & dn- argil Mdst.

{BASE KANSAS CITY} SH: dk gy-blk, pyrtc.

SH: AA & SILTS.

SILTS: lt-dk gy, sm calc.

SH: AA & SILTS: AA.

SH- SILTS: AA. (Trc LS AA w/FLR/STN)

SH: gy-blk, sm calc & lmy.

SH: AA & gn-gy.

{CHECKERBOARD} LS: tn-gy-wh, Pred dn, sm mot Wkst- Pkst, VPr- NVP, NS.

SH: gn-gy & SILTS: lt gy & gn-gy, sm sndy & calc.

SH: Pred gy.

{ALTAMONT} LS: tn-gy-cm, Pred dn, hd Mdst, sm argil.

SH: gy-blk & carb. LS: dn, argil Mdst & sm Wkst- Pkst w/VPr- NVP.

{VSI SFO)

2090' (-685)
STARK

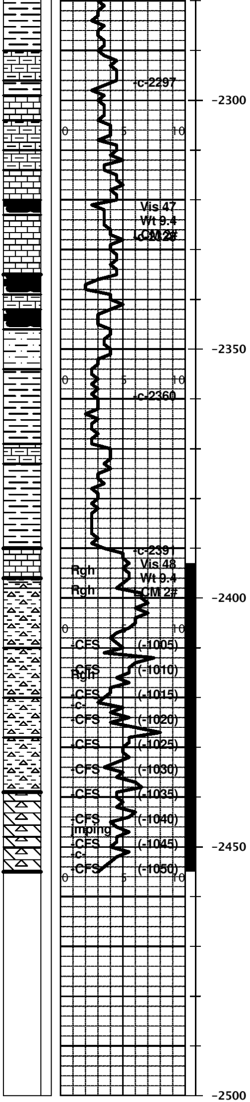
SWOPE{VSI-SI SFO)

2145' (-740)
BASE/KANSAS CITY

SHS @ 2173'= 1/2 deg

2222' (-817)
CHECKERBOARD

2260' (-855)
ALTAMONT



SH: gy-blk & blk carb, SH: AA & pyrtc.

LS: gy-tn argil-shly & SH: AA & gy-blk.

LS: gy-tn-wh, Pred dn Mdst, sm argil- shly.

LS: gy-bn, dn mx- fnx- Mdx, sm argil- shly.

LS: AA & tn-wh, dn - chlky.

SH: blk carb- Vcarb & gy.

LS: tn-gy-wh, Pred dn, sm chlky, VPr- NVP, NS.

{CHEROKEE} SH: blk carb- Vcarb. & LS: dn & argil Mdst.

SH- SILTS: lt-dk gy.

SH: lt-dk gy & blk subcarb- carb.

LS: gy, argil, dn & SILTS: pyrtc.

SH: Pred gy- blk.

{ARDMORE} LS: gy-cm-tn, dn- mx- fnx, Mdst- Wkst, sm argil, pyrtc.

SH: gy-blk & gn-gy

SH: AA & CHERT: lt-dk blu-gy & cm-bf, VC, Pred shrp, opq & transl, sm wthr'd- grnlr w/Pr- Fr Poro w/NS. sm grnlr Pkst- LS.

Pred CHERT: wh-cm-bf-tn & blu-gy, sm mot- ool & fos, Pred shrp, Sl wthr'd, Rr qtzc, trc FLR & SFO, VRr Tripolc w/Poro & Trc SFO.

CHERT: Pred cm-tn, opq, sm ool & fos- mot Chert & SH: AA, Incrs SH.

CHERT: AA, Incrs wthr'd & Poro, Frc- wthr'd Edg- FLR, 5-10% w/FLR, VSl SFO, VRr STN & Cut- Incrs Poro & STN.

{ARBUCKLE} DOLO:(<5%Arb.Dolo in 2440' 40&60min circ.spls; Incrs ARB in 2445'drlg&circ.spls) DOLO: bf-tn-gy, fnXln-MdXln,~10% Fr Poro:IXP&vug w/ sat FLR & STN & Fr-Gd SFO&Cut, sm dn-mx-fnX w/Pr Poro-VSl-SlSFO-FLR-STN-Cut, Cherty; FrOdr. [2450'circ.spls} DOLO: Abndt mx-fnX-dn-Pr Poro w/ spt'd FLR-STN & Sl-Fr SFO&Cut; Chrty; FrOdr. [2455'circ.spls}DOLO:AA; ~10% MdXln w/ Gd Poro: IXP&vug Poro w/sat STN-FLR-Gd SFO & Cut, ~25% w/STN-FLR-SFO-Cut; (~15% Pr-Fr Poro & 10% Gd Por), Cherty; Strong Odor

2335' (-930)
CHEROKEE

2390' (-985)
ARDMORE

2398'(-993)
CONGL. CHERT/
EROS. ARB. CHRT

{Trc SFO)

{VSl SFO)

2439' (-1034)
ARBUCKLE (solid)
{Fr-Gd SFO)

{Sl SFO)

2455' (-1050)
LTD/RTD

WT 9.4, VIS 41
PV 30, YP 24
WL 8.2, pH 9.5
Cl 1000, LCM 2.5#

Short Trip
@ 2391'

DST #1
ARBUCKLE
2393'-2455'
30-45-45-60
1st Op: BOB in
1.5 min, No BB
2nd Op: BOB in
1.5 min, No BB
Rec: 1767' TF:
620' OIL
(30 grav)
1147' SIWMCO
(10%G, 60%O,
15%W, 25%M)
TOOL SPL:
10%G, 50%O
15%W, 25%M
IHP: 1190
IFP: 98-431
ISIP: 880
FFP: 436-700
FSIP: 881
FHP: 1160
BHT: 109 F

VESS OIL CORP
WILSON 'A' #452
2310'FNL &
500'FEL
Sec 7-25S-05E
BUTLER CO., KS
API#15-015-24019

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 11:57 am
TIME OFF: 9:54 pm

DRILL-STEM TEST TICKET
FILE: **Wilson A 452 Dst 1**

Company: Vess Oil Corp — Lease & Well No.: Wilson A 452
Contractor: C & G Drilling — Charge to: Vess Oil Corp
Elevation: KB 1405 — Formation: Arbuckle — Effective Pay: ___ Ft. — Ticket No.: RR022
Date: 14-Apr-2014 — Sec.: 7 — Twp.: 25 S — Range: 5 E W — County: Butler — State: KANSAS
Test Approved By: **Roger & Pinky Martin** — Diamond Representative: **Ricky**

Formation Test No.: 1 — Interval Tested from: 2,393 ft. to 2,455 ft. — Total Depth: 2,455 ft.
Packer Depth: 2,373 ft. Size 6 3/4 in. — Packer depth: ___ ft. Size 6 3/4 in.
Packer Depth: 2,426 ft. Size 6 3/4 in. — Packer depth: ___ ft. Size 6 3/4 in.
Depth of Selective Zone Set: ___

Top Recorder Depth (Inside): 2,373 ft. — Recorder Number: 5,951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside): 2,426 ft. — Recorder Number: 5,584 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth: ___ ft. — Recorder Number: ___ Cap. ___ P.S.I.

Mud Type: Chemical — Viscosity: 50 — Drill Collar Length: 177 ft. I.D. 2 1/4 in.
Weight: 9.4 — Water Loss: 7.8 cc. — Weight Pipe Length: 0 ft. I.D. 2 7/8 in
Chlorides: 900 P.P.M. — Drill Pipe Length: 2,183 ft. I.D. 3 1/2 in
Jars: Make STERLING — Serial Number: #5 J&SJ — Test Tool Length: 33 ft. Tool Size 3 1/2-IF in
Did Well Flow?: NO — Reversed Out: NO — Anchor Length: 64 ft. Size 4 1/2-FH in
Anchor made up of all perfs
Main Hole Size: 7 7/8 — Tool Joint Size: 4 1/24"FH in. — Surface Choke Size: 1 in. — Bottom Choke Size: 5/8 in

Blow: 1st Open: 1/2 Blow BOB in 1 1/2 mins NOBB
2nd Open: 1/2 Blow BOB in 1 1/2 mins NOBB

Recovered 620 ft. of O 100% O
Recovered 1,147 ft. of SLWMCO 10 % G 60% O 10% W 20% M Reversed into truck
Recovered 1,767 ft. of Total Fluid
Recovered ___ ft. of 39 Gravity @ 60 deg
Recovered ___ ft. of ___
Recovered ___ ft. of ___
Remarks: ___

Price Job
Other Charges
MILES R.T.@ /MILE
Insurance $0.00
Total

Tool Sample: 10% G 50% O 15% W 25% M

Time Set Packer(s): 2:47 PM — Time Started Off Bottom: 5:47 PM — Maximum Temperature: 109

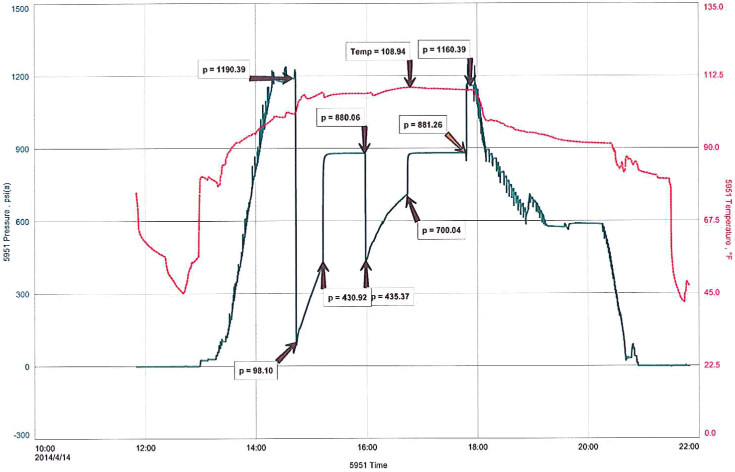
Initial Hydrostatic Pressure .... (A) 1,190 P.S.I.
Initial Flow Period .... Minutes 30 (B) 98 P.S.I. to (C) 431 P.S.I.
Initial Closed In Period .... Minutes 45 (D) **880** P.S.I.
Final Flow Period .... Minutes 45 (E) 436 P.S.I. to (F) 700 P.S.I.
Final Closed In Period .... Minutes 60 (G) **881** P.S.I.
Final Hydrostatic Pressure .... (H) 1,160 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Vess Oil Corp
Dst 1 (2393-2455) Arbuckle
Start Test Date: 2014/04/14
Final Test Date: 2014/04/14

Wilson A 452
Formation: Dst 1 (2393-2455) Arbuckle
Pool: Infield
Job Number: RR022

Wilson A 452



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