ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION

LEASE WILSON 'A' #454

FIELD EL DORADO

LOCATION 330' FNL @ 1100' FEL

SECTION 7 TOWNSHIP 25S RANGE 05E

COUNTY BUTLER STATE KANSAS

ELEVATIONS

KB 1417' GL 1411'

Measurements Are All From KB

API 15-015-24056-0000

CONTRACTOR C&G Drilling, Rig #1

SPUD 09/17/2015 COMP 09/22/2015

RTD 2510' LTD 2510'

ELECTRICAL SURVEYS

CJ Casedhole Solutions: DIL

CDL/CNL/PE, MEL

CASING

SURFACE 6 jts 8-5/8" 23# set @ 260' KB w/150 sx Class A, 3% cc

PRODUCTION 59 jts 5-1/2" 15.5# J-55 set @ 2503' w/150 sx Thickset

FORMATION TOPS	LOG	SAMPLES
Neva	394' (+1023)	
Admire 650	767' (+650)	
Burlingame	876' (+541)	
White Cloud LS	970' (+447)	
White Cloud SD	976' (+441)	
Topeka	1134' (+283)	
Oread	1443' (-26)	1445' (-28)
Heebner	1480')-63)	1481' (-64)
Toronto	1493' (-76)	
Douglas	1510' (-93)	
Iatan	1670' (-253)	1671' (-254)
Lansing	1749' (-332)	1751' (-334)
Base Lansing	1871' (-454)	
Kansas City	2024' (-607)	2026' (-609)
Stark	2127' (-710)	2127' (-710)
Base Kansas City	2183' (-766)	2184' (-767)
Checkerboard	2266' (-849)	2263' (-846)
Cherokee	2383' (-966)	2384' (-967)
Ardmore LS	2439' (-1022)	2440' (-1023)
Viola	NP	NP
Simpson	2453' (-1036)	2456' (-1039)
Arbuckle	2501' (-1084)	2501' (-1084)
LTD/RTD	2510' (-1093)	2510' (-1093)

CHRONOLOGY

09/14/2015- MIRU C&G Drilling, Rig #1.

09/17/2015- Drill rathole, Start @ 8:00 AM. SPUD 12-1/4" hole @ 9:30 AM. TD 12-1/4" hole @ 262' @ 1:30 PM. Run 6 jts 8-5/8" 23#/ft csg= 252'; Set @ 260' KB, Consolidated Cement w/150 sx Class A 3%cc, circ, good cement. Plug down @ 3:00 PM 09/17/2015.

09/18/2015- Drlg @ 1182', drill under surface @ 11 PM, Geologist (PJR) to well @ 11 Am. Surveys: 559'- 1/4 1:30 PM, 1647' BIT TRIP, Mud up @ 1647'.

09/19/2015- Drlg @ 1933', MW 9.2, VIS 38, LCM 3#. 1647'- 1/4 survey.

09/20/2015- Drlg @ 2356', MW 9.2, VIS 43, LCM 3#. 2112'- 1/2 survey. Drilled to 2484'. DST #1: 2445'-2484'.

09/21/2015- 2484'. TIH after DST to drill to Arbuckle to test. MW 9.1, VIS 62, WL 10, LCM 5#, 5:30 PM 2510' TD, DST #2: 2503'-2510'.

09/22/2015- 2510' TD Laying down 8:50 AM, Start open hole logging. MW 9.1, VIS 58, WL 10, LCM 5#.

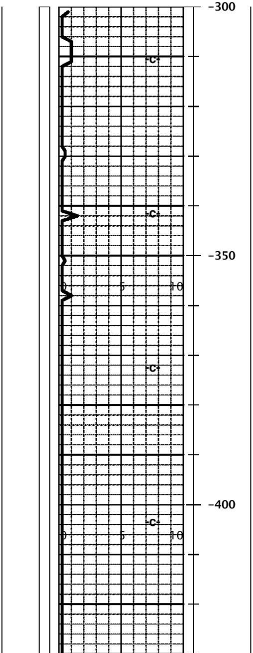
REMARKS:

Casing Job by C. Coats, Engineer, VOC:
Ran 59 jts of 5 1/2" 15.5#/ft J-55 csg, Tally= 2504.56' KB,
Plus Packer Shoe = 2.50'. Total= 2507.06', Set @ 2503'KB.
Put on 6 centralizers & 2 baskets. Tagged TD @ 2510' &
picked back up 7', Set @ 2503' KB. Circ 20 min. Packer shoe
set @ 1250#. Circ 20 min, pump 500 gal mud flush, cement
rathole w/25 sx. Consolidated cemented w/150 sx thickset w/
5#/sx Kolseal, lift pressure to 600#. Land plug @ 1050# @
6:45PM. Release, it held. Set slips @ cut off casing.

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

Respectfully submitted,
Roger L. Martin, Geologist, VOC

LITH | POROSITY | DRILLING TIME MIN/FT | DST | **SAMPLE DESCRIPTION** | **REMARKS**



SH: gy & gn.
VRr LS: wh, semichlky Pkst, Pr Por, NS.

SH: gn-gy.

VRr LS: tn & gy, dn Mdst, Trc Wkst- Pkst.

Shrp Incrs LS: dk-lt gy, sm argil Wkst- Pkst & dn Mdst,
VRr chlky LS. & SH: gy-blk.

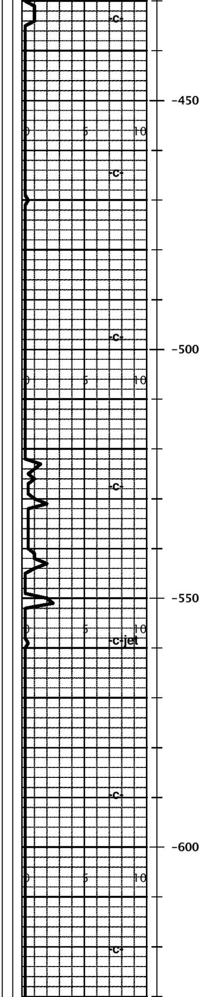
SH: AA.

sm LS: AA & dn Mdst & mx- fnx, VPr- NVP, NS.

SH: AA, Pred gy-blk & dk gn-gy.
Rr LS: wh-gy, prt chlky, VPr Por, NS.

VAbndt LS: th-gy-wh, mx- fnx & fos Pkst- Wkst, sm Fr- Gd
Por: pp Por, Ifos Por & vug Por w/NS. sm 2nd ReX, sm
chlky.

KELLY DOWN SAMPLES



LS: AA, & gy dn Mdst. & SH: Pred gy- blk.

sm chlky to dn LS w/VPr- NVP, NS.

SH: gn-gy & gy-blk & LS:

LS: wh-chlky-gy-tn, Wkst- Pkst, Pr- Fr Por, NS.

LS: gy-tn, sm mot Wkst- Pkst, sm argil- shly, VPr- NVP, NS.

sm dn Mdst & mx- fnx w/VPr- NVP w/NS. (Abndt LS) sm SH: AA.

LS: gy-tn-wh, sm mot Wkst- Pkst, sm argil & dn & argil Mdst w/VPr- NVP w/NS.

LS: wh-bf-tn, prt chlky & mx & Mdst w/VPr- NVP, NS.

SHS @ 559'= 1/4 deg

SH: AA, sm blk carb.

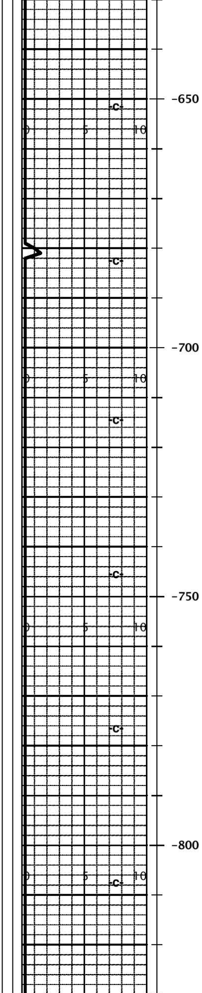
LS: sm chlky & abndt dn Mdst.

SH: blk carb & abndt dk-lt gy.

LS: gy-tn-wh, sm mx- fnxln, sm semichlky Wkst- Pkst, VPr- NVP, NS.

SH: gy-blk, sm carb.

SH: dk-lt gy, micac, sm sndy silts.



VRr SD CLUST: gy, Vfn- fn Gr'd, silty- shly, semi fribl w/Fr Por, NS.

SILTS: lt-dk gy, micac, sm pyrtc, sm sndy.
VRr SD CLUST: gy-wh, Vfn- fn Gr'd, sm fribl w/Pr- Fr Por.

SH: AA & SILTS: AA.
sm LS: gy-tn-cm, dn & argil Mdst.
VRr sndy LS & VRr SD CLUST: gy-wh, Vfn-fn Gr'd, fribl w/Fr- Gd Por.

VRr SD CLUST: gy-wh, Vfn- fn Gr'd, well cmt'd to fribl w/Pr- Fr Por, Trc Gd Por, NS.

SS- Rr SD CLUST: >10% <20% lt gy-bf, Vfn- fn Gr'd, silty- shly, sm fribl w/Fr- Gd Por, Trc Cut.

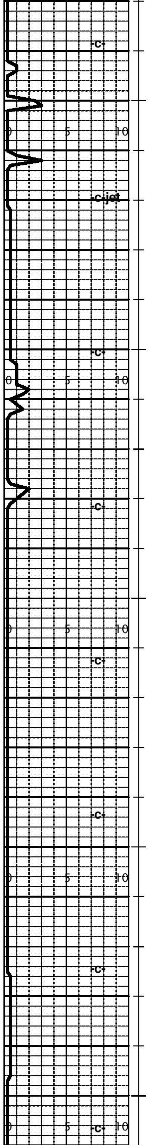
Abndt Sndy SILTS & SH: micac.

sm LS: gy Mdst, sm semi-chlky.

sm SS- SD CLUST: gy, Vfn- fn Gr'd, sm fribl, silty & shly, Pr- Fr Por, w/NS.

SH & SILTS: AA.

VAbndt LS: gy-cm-tn, Pred dn- mx, & Mdst w/VPr- NVP, NS.
& SH: gy-blk, sm carb.



-850

LS: cm-tn-gy, dn- mx & Mdst.
& SH- SILTS: gy-blk, sm micac.

SILTS- SH: AA, sm argil Sd Clust, AA, NS.

LS: AA, Pred dn- mx & Mdst, VPr- NVP.

-900

VAbndt LS: tn-gy, mx- fnx, Pred dn Mdst- Wkst & Rr Pkst w/Pr- NVP, NS. Rrprt chlky, NS.

LS: tn-gy-wh, sm Wkst- Pkst w/Pr- Fr Por, NS. Pred dn-mx- fnx, sm chlky, NS.

SH: gy-blk & rd.

-950

{White Cloud LS} VRr LS: gy Mdst, Trc sndy- argil LS.
& SH- SILTS: Pred gy-blk.

{White Cloud SS} SS- SD CLUST: gy-Tn OSTN, Vfn Gr'd, silty- argil w/Pr- Fr IGr Por, ~10% w/sat OSTN & dull dry FLR w/Fr- Gd Cut, wet spl ~10% Sdy Silts- Silty SS- Sd Clust w/brt FLR & Sl- Fr SFO, VSl Odor.

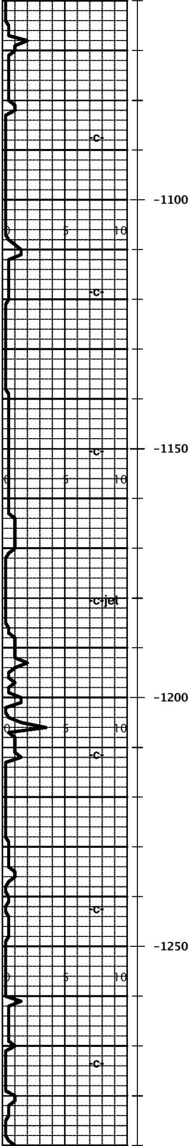
{Sl-Fr SFO)

-1000

Rr SD CLUST: AA, Vfn Gr'd & SH- SILTS w/FLR- STN-SFO & VSl Odor. Pred SH & SILTS, AA.

LS: cm-gy-tn, Pred dn Mdst, sm argil, sm Wkst- Pkst w/Pr- NVP, NS.
& Abndt SH: gy-blk.

-1050



SH- SILTS: gy, sm calc & lmy.
& LS: gy, dn & argil Mdst- Wkst, VPr- NVP, NS.

LS: AA, argil.

SH: gy-blk, sm carb.

VAbndt LS: gy-tn-wh, Pred dn Mdst- Wkst, Rr Pkst, prt argil, VPr- NVP, NS.

SH: gy-blk, sm calc & lmy.

LS: tn-gy-wh, mot, mx- fnxln, & sm Pkst w/VPr- Pr visbl Por, NS. sm prt chlky, sm argil, NS.

VAbndt LS: wh-tn-gy, prt chlky, sm mx- fnxln, VRr prt Mdxln, VPr- Pr visbl Por, NS.

SH: Pred gy & blk, sm carb.

LS: cm-tn-gy, mx- fnxln, VRr prt Mdxln, prt wh-chlky, Pr- Fr Por: IX Por, IGr Por, pp Por w/subsat- sat Lt Tn OSTN & FLR, ~5% Sl- Fr Cut, Trc SFO.

{Trc SFO)

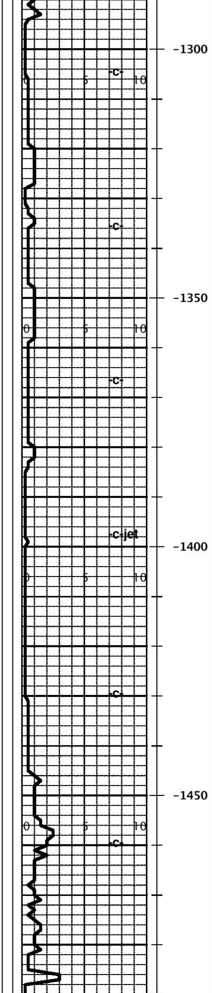
SH: AA, sm calc & lmy SH & SILTST.

LS: wh-tn-gy, prt chlky, sm mot Wkst- Pkst, Pred VPr- VNP w/NS. (Trc LS, AA w/FLR-STN-Cut)

SH: gy, AA.

Abndt LS: tn-wh, mx- fnxln, VRr prt Mdxln, Pr- Fr visbl IX Por w/NS.

LS: wh-tn-gy, prt chlky, sm grnlr Pkst- Wkst w/Pr Por, Abndt dn Mdst w/NS.



SH: Pred gy, sm blk carb.

SH: AA & LS: wh-chlky to dn Mdst- Wkst.

LS: AA, Pr- NVP.
Abndt SH: blk carb- Vcarb SH.

LS: wh & tn & gy, Pred dn Mdst- Wkst, sm chlky, Pred Pr- NVP w/NS.

LS: wh-tn-gy, sm mot, mx- fnxln, VRr prt Mdxln, sm Fr- Gd IX Por w/NS. sm chlky, sm Pkst w/NS.

VAbndt SH: sm blk carb & lt-dk gy, sm micac.

Abndt SILTST: lt-dk gy, micac, sm sndy. NS. (sm LS: AA)

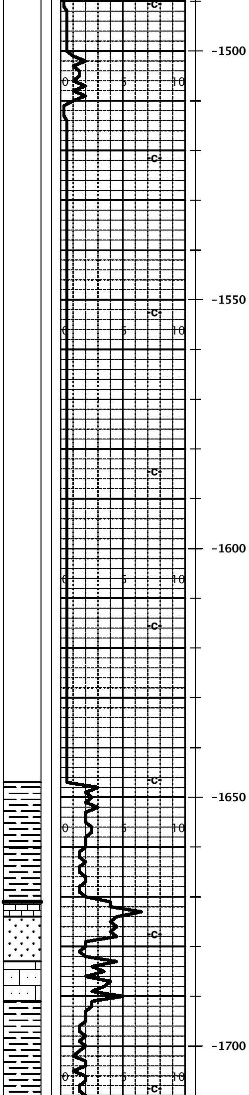
SH- SILTS: AA, Abndt micac.

1445' (-28)
OREAD
{Trc SFO)

{Oread} LS: VAbndt wh-gy-tn, prt chlky & mx- fnxln, sm Wkst- Pkst w/Pr- Fr Por: pp Por, IGr Por, IX Por, VRr <5% w/FLR & STN, Trc mspt's FO on brk & milky cut

1481' (-64)
HEEBNER

{Heebner} VAbndt SH: blk carb- Vcarb.
LS: tn, dn Mdst.



SH: lt-dk gy.

LS: gy dn & argil Mdst.

LS: tn-gy, dn- mx, Pred dn- VPr- NVP, NS.

VAbndt SH: lt-dk gy.

sm Sndy SILTS & Silty SD CLUST: Vfn Gr'd w/Pr- Fr Por, NS.

SILTS AA & SS- SD CLUST: gy-wh, Vfn- fn Gr'd Clust w/Fr- Gd Por, NS. NF. NC.

SH: lt-dk gy.

VAbndt SH: gy-blk.

SH: AA.

SHS @ 1647'= 1/4 deg
****10' SAMPLES****

****BIT TRIP****
MUD UP*

SH: gy-blk.

VAbndt SH: AA.

1671' (-254)
IATAN

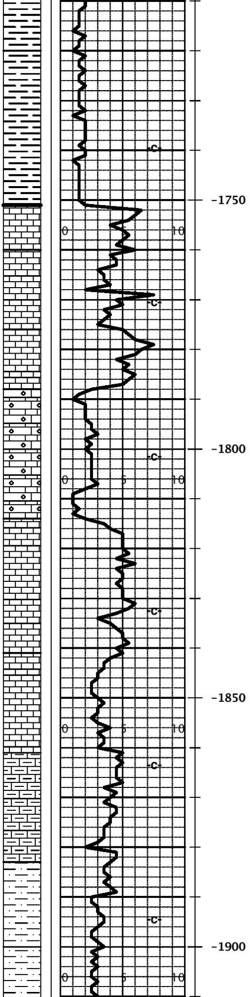
{Iatan} LS: wh-tn-gy, dn Mdst.

SS- SD CLUST: gy-tn, Vfn- fn Gr'd, calc, Fr Por, VRr sat Tn STN (~5% w/brt FLR & STN), Sl SFO.

{Sl SFO)

& Sndy LS w/Pr- Fr Por.

Abndt SH: gy-blk.



SH: AA, gy-blk.

1751' (-334)
LANSING

{Lansing} LS: wh-gy-tn, Pred dn Mdst, Sl chlky.

LS: wh-gy-tn, mot Pkst- Wkst & mx- fnx, VPr- Pr Por: IGr Por, pp Por, IX Por, Trc Fr Por, Trc sat STN- FLR, Sl SFO & Cut.

{Sl SFO)

LS: Pred dn Mdst & mx- dn w/VPr- NVP, NS.

LS: wh-gy w/sm rich Tn OSTN, mx- VCrsxln- 2nd ReX, sm oomldc w/Gd- VGd Por: vug Por & mldc Por & IX Por & Grst w/Gd IGr Por, sat OSTN- FLR, Fr- Gd SFO, Odor. Abndt chlky LS.

{Fr- Gd SFO)

LS: gy-tn-wh, Pred dn & sm chlky. (VRr LS w/Por, AA w/STN- FLR- SFO & Cut). Sl Cherty LS, AA. sm argil-shly LS.

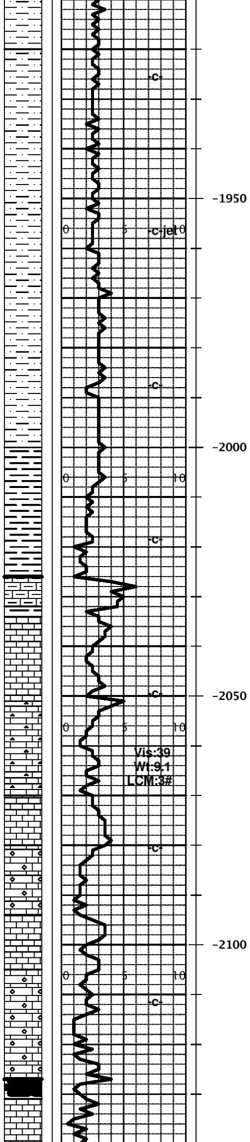
LS: wh-gy-bf, sm mot, grnlr Pkst- Grst w/Fr- Gd Por, prt chlky, Trc subsat- sat STN, Trc SFO & FLR & Cut, >99% barren.

{Trc SFO)

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

VAbndt SH & SILTS: Pred gy- blk.

SH- SILTS: Pred lt- dk gy, sm calc & lmy.



SH- SILTS: lt-dk gy, sm calc & lmy.

SH: Incrs gy-blk SH.

2026' (-609)
KANSAS CITY

{Kansas City} LS: gy-tn-wh, mot Wkst- Pkst, VPr- NVP, sm argil- shly.

LS: cm-bf-Tn- STN, mx- Rr fnx, Trc Md 2nd ReX- Trc Crs-VCrsX's, ~10% w/Pr- Fr Por: IX Por, pp Por, IGr Por, w/subsat- sat Tn STN, Sl SFO & FLR & Cut.

{Sl SFO)

LS: wh-bf w/Tn STN, prt chlky, Sl ool & fos Pkst & Wkst w/Fr IGr Por & pp Por, subsat- sat Lt Tn STN, Frly brt FLR, Sl SFO, VSl Odor. Trc Grst, mx- fnxln w/Gd Por- 2nd ReX. VCherty.

{Sl SFO)

Abndt dn LS: Mdst- Wkst & sm chlky.

LS: cm-bf, grnlr Pkst, sm chlky, Pr- Fr visbl Por, sm Gd aprnt Por: IGr Por, Iool Por, VRr oomldc Por, VRr spt'd- sat Lt STN, VSl SFO & Cut. Abndt dn to chlky LS. Pred barren.

{VSl SFO)

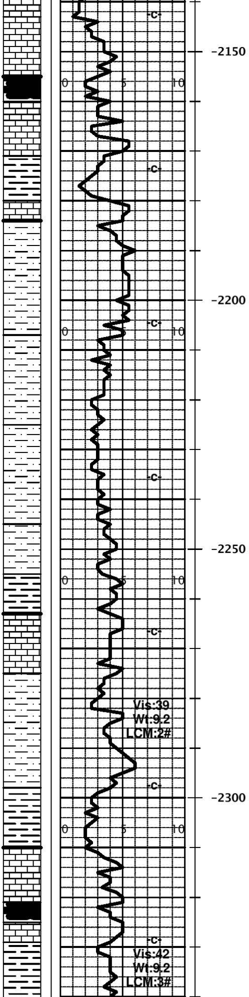
LS: cm-tn, mx- fnxln, VRr prt Mdxln- 2nd ReX, sm ool & fos, prt oomldc w/sm Fr- Gd Por: ~5% w/spt'd- subsat Lt STN & FLR, Sl SFO, Trc Crs- VCrs 2nd ReX.

{Sl SFO)
SHS @ 2112'= 1/2 deg

2127' (-710)
STARK

{Stark} SH: blk carb- Vcarb SH. (2140' spl)

LS: wh-chlky & cm-bf, grnlr Pkst- Grst w/Fr- Gd Por w/NS, NC.



Abndt dn Mdst & Wkst w/Pred VPr- NVP, NS.

{Hushpuckney} SH: gy-blk, subcarb- Vcarb.

LS: dk-lt gy & tn, ool & fos Pkst & Wkst w/VPr- Pr Por, Trc FLR- STN- SFO & Cut.

{Trc SFO)

SH: gy-blk, subcarb- carb.

LS: gy mot Wkst- Pkst, AA.

2184' (-767)
BASE KANSAS CITY

{Base Kansas City} SH- SILTS: gy-blk, sm sndy, Sl pyrtc, sm calc & lmy Siltst- SH.

SILTS- SH: lt- dk gy, sm calc & lmy.

AA, Incrs gy to blk SH.

SILTS- SH: lt- dk gy, sm calc & lmy.

Incrs gy- blk SH, sm carb.

2263' (-846)
CHECKERBOARD

{Checkerboard} LS: gy-tn-wh, Pred dn Mdst, sm mx- fnx- Trc Mdx- 2nd ReX.

SH: dk-lt gy.
SILTS: lt-dk gy, sm Vfnly sndy w/VPr- NVP. NS. NF. NC.

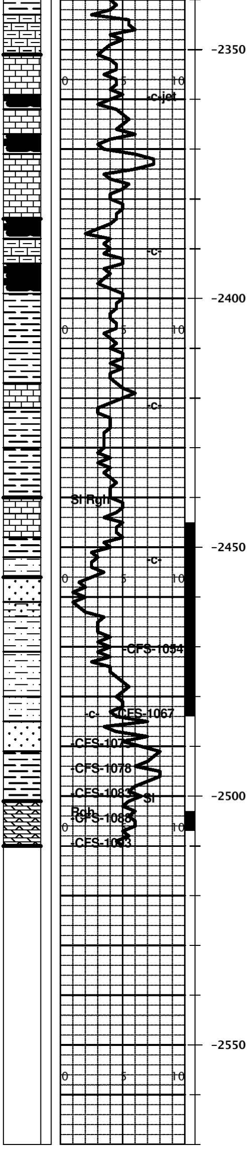
SH: Vgt'd gy-blk, violt

{Altamont} LS: cm-gy-tn, sm mot'd ool & fos Pkst & Wkst, Pred dn, VPr- NVP, NS.

SH: blk carb.

LS: gy dn Mdst.

SH: gy-blk, sm blk carb & pyrtc, Trc coal, sm lmy & calc SH.



{Pawnee} LS: lt gy- tn, dn Mdst, cryptox, lthogr, sm argil.

LS: dk- lt gy-tn, Wkst & Pkst w/VPr- NVP.

SH: blk carb.

LS: gy-tn-wh, Pred dn Mdst- Wkst w/VPr- NVP. NS. sm argil.

{Cherokee} SH: VAbndt blk carb- Vcarb.

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

SH: AA, blk carb.

SH: pred dk gy, sm blk carb.

SH: dk gy & blk carb.

LS: gy-tn, dn Mdst.

SH: gy & blk, sm carb.

SH: AA, sm calc & lmy.

{Ardmore} LS: (Abndt in 2460' spl) dk- lt gy-tn, dn hd mx- Trc fnx- 2nd ReX, dn & argil Mdst.

{Simpson} Abndt F. Sd Gr's: fn- crs Gr'd & SS: (~10% Sd Clust in 2470' drlg spl) bf-gy-Tn- STN, Vfn- Md Gr'd, Rnd- Vwell Rnd'd, VRr fribl w.subsat- sat Tn STN, Fr- Gd SFO w/brt FLR, Fr- Gd Cut & Strng Odor. VRr prt Crs- VCrs Gr'd, Pr sort'd.

Shrp decrs in Res Sd in circ spls.

SH- SILTS: gn-gy, sndy, sm calc & dolomc. (VRr Sd Coust, AA w/Por- STN- SFO & Cut).
SILTS: lt gy- wh, sndy, calc & dolomc.
SS: lt gy-wh, Vfn- Md Gr'd, well Rnd, calc & lmy & dolmc, Rr fribl- subfribl w/Fr- Gd Por, >5%<10% Sd Clust w/sat STN, Fr- Gd SFO- Cut, Fr Odor.

Pred SH: gy-blk & turq-gn, sm pyrtc.

{Arbuckle} DOLO: (~10% in 2505 drlg spl, ~80% in circ) bf-gy-tn, mx- fnxln, VRr Mdxln, ~10% Fr- Gd Por: IX Por, vug Por, sat STN, Fr- Gd SFO-Cut-Odor-FLR. Cherty.
DOLO: AA, Incrs >10%<20% w/Gd Por, sat STN: cm-bf- Tn STN, mx- fnxln, Rr prt mdxln, sm sucro & rhmbc w/Fr- Gd Por: IX Por, vug Por, subsat- sat STN-FLR & Fr- Gd SFO & Cut in ~20%, Strng Odor, Sl pyrtc, Sl Cherty.

2384' (-967)
CHEROKEE

2440' (-1023)
ARDMORE LS

2456' (-1039)
SIMPSON
{Fr- Gd SFO)

{Fr- Gd SFO)

2501' (-1084)
ARBUCKLE
{Fr- Gd SFO)
2510' (-1093)
RTD/LTD

WT 9.1,VIS 58
PV 14,YP 9
WL 10.0,pH 9.0
Cl 2200,LCM 5#

VESS OIL CORP
WILSON 'A' #454
330' FNL & 1100' FEL
Sec 7-25S-05E
BUTLER CO., KS
15-015-24056

MUD CHECKS
by FUD MUD:
WT 9.25,VIS 39
PV 11,YP 7
WL 9.6,pH 9.5
Cl 1100,LCM 5#

DST #1- SIMPSON SD
2445'-2484'
30-45-45-60
1st Op: blt to 6" in 30 min, No BB
2nd Op: blt to 8" in 45 min, No BB
Rec: 150' TF:
1' GIP
120' GsyO
(10%G,90%O)
30' OCM
(10%O,90%M)
Tool Spl:
5%M,95%O
IHP: 1190
IFP: 19-39
ISIP: 642
FFPL 44-68
FSIP: 627
FHP: 1159
BHT: 106 F

WT 9.1,VIS 62
PV 15,YP 15
WL 10.0,pH 9.0
Cl 3000,LCM 5#

DST #2- ARBUCKLE
2503'-2507'
30-45-45-60
1st Op: BOB in 2 min,
No BB
2nd Op: BOB in 3 min,
No BB
Rec: 1040' TF:
180' GIP
860' CGO-grav 39
(5%G,95%O)
150' SIWCGOM
(5%W,10%G 25%O,60%M)
30'SIG&OCMW
(5%G,5%O, 40%M,50%W)
Tool Spl:
5%G,95%O
Cl: 2000 ppm
IHP: 1200
IFP: 44-206
ISIP: 899
FFP: 222-401
FSIP: 897
FHP: 1170
BHT: 112 F

Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	VESS OIL CORP	Job Number	J3366
Contact	CASEY COATS	Representative	JOHN RIEDL
Well Name	WILSON A 454	Well Operator	VESS OIL CORP.
Unique Well ID		Report Date	2015/09/21
Surface Location	S7/25S/5E	Prepared By	JOHN RIEDL
Field		Qualified By	ROGER MARTIN

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	SIMPSON
Well Fluid Type	
Test Purpose	

Start Test Date	2015/09/20	Start Test Time	23:00:00
Final Test Date	2015/09/21	Final Test Time	06:00:00

Test Recovery

RECOVERY: 1' GIP
120' GO (10%GAS 90%OIL) 40 GRAVITY
30' OM (10%OIL 90%MUD)
TOTAL FLUID RECOVERY: 150' IN DRILL COLLARS

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

DRILL-STEM TEST TICKET

FILE: STC/Wilson a #454 dst1

TIME ON: 23:00 9/20/15
TIME OFF: 06:00:00 9/21/15

Company VESS OIL CORP Lease & Well No. WILSON A #454
Contractor C+G DRILLING INC RIG #1 Charge to VESS OIL CORP
Elevation 1417 K.B Formation SIMPSON Effective Pay ____ Ft. Ticket No. J3366
Date 9/21/2015 Sec. 7 Twp. 25 S Range 5E W County BUTLER State KANSAS
Test Approved By ROGER MARTIN Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 2445 ft. to 2484 ft. Total Depth 2484 ft.
Packer Depth 2440 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 2445 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2448 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 2481 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 42 Drill Collar Length 240 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1100 P.P.M. Drill Pipe Length 2179 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number #1 Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 39 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: FAIR (BUILT THROUGH TO 6") NO BB
2nd Open: GOOD (BUILT THROUGHOUT TO 8") NO BB

Recovered 1 ft. of GIP
Recovered 120 ft. of GO (10%GAS 90%OIL) GRAVITY 40@ 60 DEGREES
Recovered 30 ft. of OM (10%OIL 90%MUD)
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: TOTAL FLUID RECOVERY: (150' IN DRILL COLLARS)
SHUT-IN TOOL RECOVERY GRINDOUT: 5%MUD 95%OIL)

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 12:25 A.M A.M. P.M. Time Started Off Bottom 3:25 A.M A.M. P.M. Maximum Temperature 106

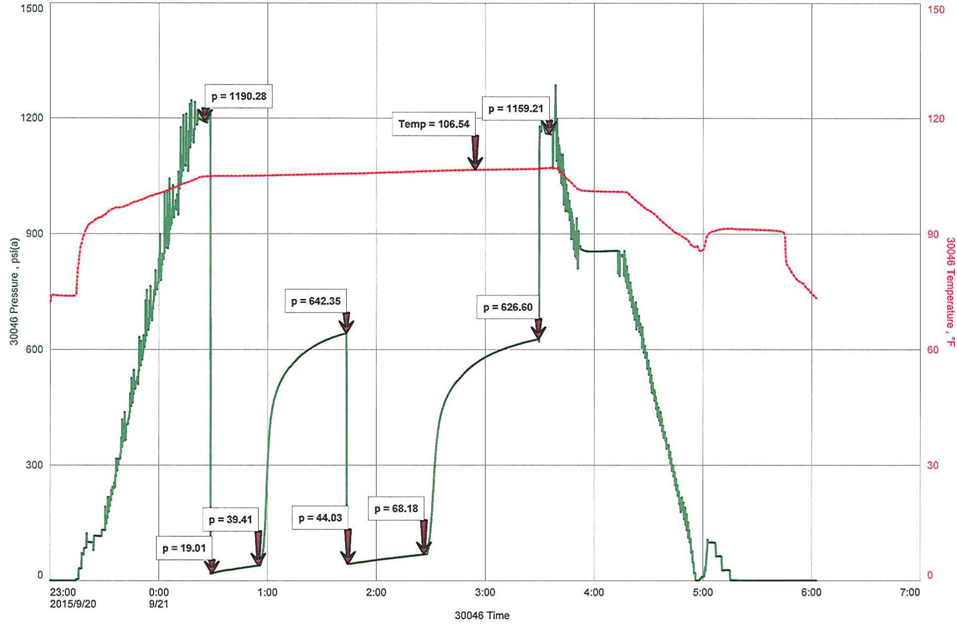
Initial Hydrostatic Pressure............ (A) 1190 P.S.I.
Initial Flow Period............ Minutes 30 (B) 19 P.S.I. to (C) 39 P.S.I.
Initial Closed In Period............ Minutes 45 (D) 642 P.S.I.
Final Flow Period............ Minutes 45 (E) 44 P.S.I. to (F) 68 P.S.I.
Final Closed In Period............Minutes 60 (G) 627 P.S.I.
Final Hydrostatic Pressure............ (H) 1159 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
Start Test Date: 2015/09/20
Final Test Date: 2015/09/21

WILSON A 454

WILSON A 454
Formation: SIMPSON
Job Number: J3366



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Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	VESS OIL CORP	Job Number	J3367
Contact	CASEY COATS	Representative	JOHN RIEDL
Well Name	WILSON A 454	Well Operator	VESS OIL CORP
Unique Well ID		Report Date	2015/09/22
Surface Location	S7/25S/5E	Prepared By	JOHN RIEDL
Field		Qualified By	ROGER MARTIN

Test Information

Test Type	DST #2 CONVENTIONAL
Formation	ARBUCKLE
Well Fluid Type	
Test Purpose	

Start Test Date	2015/09/21	Start Test Time	20:00:00
Final Test Date	2015/09/22	Final Test Time	04:20:00

Test Recovery

RECOVERY: 180' GIP
860' GO (5%GAS 95%OIL) 39 GRAVITY@ 60 DEGREES
150' SLWCGOM (5%WATER 10%GAS 25%OIL 60%MUD)
30' SLG+OCMW (5%GAS 5%OIL 40%MUD 50%WATER (CHLORIDES 2,OOO Ppm RE. 3.0
TOTAL FLUID REC: 1040" (860" IN 4" IF DRILL PIPE, 180' IN DRILL COLLARS)

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Wilson a #454 dst2

TIME ON: 20:00 9/21/15
TIME OFF: 04:20:00 9/22/15

Company VESS OIL CORP Lease & Well No. WILSON A #454
Contractor C+G DRILLING INC RIG #1 Charge to VESS OIL CORP
Elevation 1417 K.B Formation ARBUCKLE Effective Pay ____ Ft. Ticket No. J3367
Date 9/22/2015 Sec. 7 Twp. 25 S Range 5E W County BUTLER State KANSAS
Test Approved By ROGER MARTIN Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 2503 ft. to 2510 ft. Total Depth 2510 ft.
Packer Depth 2498 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 2503 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2506 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 2407 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 45 Drill Collar Length 180 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 9.5 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1100 P.P.M. Drill Pipe Length 2297 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number #1 Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 7 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: STRONG (B.O.B 2 MIN.) NO BB
2nd Open: STRONG (B.O.B 3 MIN.) NO BB

Recovered 180 ft. of GIP
Recovered 860 ft. of GO (5%GAS 95%OIL) 39 GRAVITY
Recovered 150 ft. of SLWCGOM (5%WATER 10%GAS 25%OIL 60%MUD)
Recovered 30 ft. of SLG+OCMW (5%GAS 5%OIL 40%MUD 50%WATER) CHLORIDES 2,000 Ppm
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: TOTAL FLUID RECOVERY:1040' (860' IN 4"DRILL PIPE, 180' IN DRILL COLLARS)
SHUT-IN TOOL RECOVERY GRINDOUT: 5%GAS 95%OIL

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 10:00 P.M A.M. P.M. Time Started Off Bottom 1:00 A.M A.M. P.M. Maximum Temperature 112

Initial Hydrostatic Pressure (A) 1200 P.S.I.
Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 206 P.S.I.
Initial Closed In Period Minutes 45 (D) 899 P.S.I.
Final Flow Period Minutes 45 (E) 222 P.S.I. to (F) 401 P.S.I.
Final Closed In Period Minutes 60 (G) 897 P.S.I.
Final Hydrostatic Pressure (H) 1170 P.S.I.

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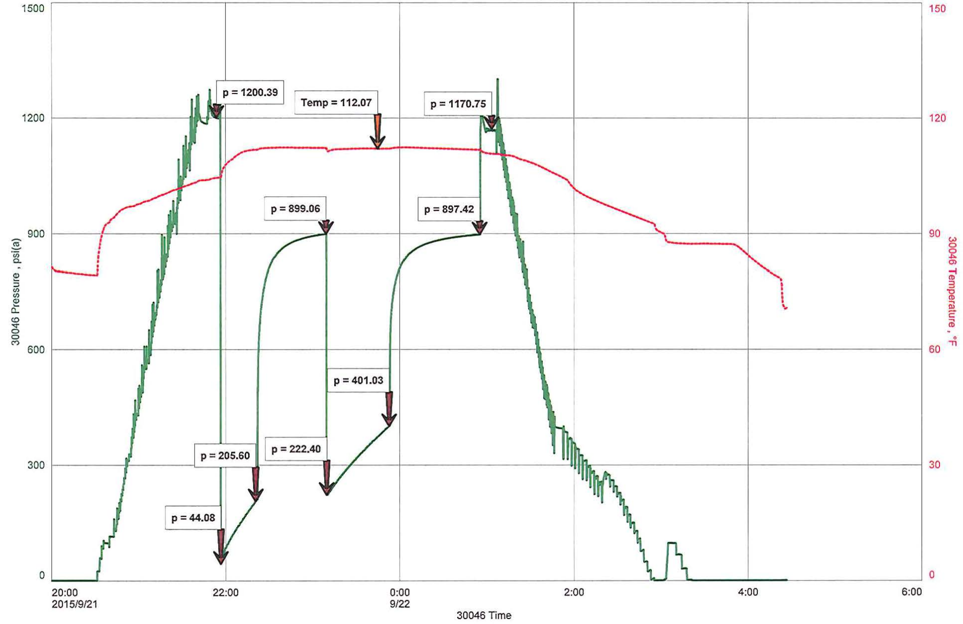
VESS OIL CORP
Start Test Date: 2015/09/21
Final Test Date: 2015/09/22

WILSON A 454
Formation: ARBUCKLE
Job Number: J3367

WILSON A 454



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