

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION

LEASE HALL 'D' #9

FIELD BEMIS-SHUTTS

LOCATION 3810' FSL & 3860' FEL

SECTION 2 TOWNSHIP 12S RANGE 17W

COUNTY ELLIS STATE KANSAS

ELEVATIONS

KB 2103' GL 2098'

Measurements Are All

From KB

API 15-051-26803-0000

CONTRACTOR LD DRILLING

SPUD 09/09/2015 COMP 09/18/2015

RTD 3626' LTD 3627'

ELECTRICAL SURVEYS

CJ Casedhole Solutions: DIL,
CDL/CNL, MEL

CASING

SURFACE 31 jts 8 5/8" 24# J-55 set @
1294' w/335sx A-conn & 150 sx Common

PRODUCTION 86 jts 5 1/2" 15# J-55
set @ 3625' w/150 sx AA-2

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
Anhydrite	1295' (+808)	1290' (+813)	09/09/2015- MIRU LD Drilling @ SPUD well @ 4:00PM.
Base Anhydrite	1328' (+775)		09/10/2015- Depth @ 7 AM: 860'.
Topeka	3037' (-934)	3037' (-934)	09/11/2015- Drilled to 1297'. Set 31 jts of new API 8 5/8" 24# J-55 casing @ 1294' and cemented w/335 sx A-conn, 3% CC, 1/4# Floeal & 150 sx common, 2% CC & 1/4# Floeal. Plug down @ 7:45 AM.
Heebner	3272' (-1169)	3271' (-1168)	Torque converter on drawworks went out.
Toronto	3294' (-1191)	3294' (-1191)	09/12/2015- Depth @ 7:00 AM: 2010'. Down for 11 hours working on mud pump and replacing torque converter.
Lansing	3318' (-1215)	3316' (-1213)	09/13/2015- Depth @ 7:00 AM: 2570'.
Stark	3512' (-1409)	3508' (-1405)	09/14/2015- Depth @ 7:00 AM: 3230'.
Base Kansas City	3553' (-1450)	3550' (-1447)	09/15-2015- Depth @ 7:00 AM: 3420'. Running DST #1-Toronto & LKC A-G.
Arbuckle (LS Caprock)	3575' (-1472)	3575' (-1472)	09/16/2015- Depth @ 7:00 AM: 3565'. Running DST #2- LKC H-L. Depth @ 5:00 PM: 3596'. Circulating, DST #3- LCK L- Arbuckle
Arbuckle (Dolomite)	3584' (-1481)	3582' (-1479)	09/17/2015- Depth @ 7:00 AM: 3601'. CFS. RTD @ 3626'. DST #4- Arbuckle
RTD	3627' (-1524)	3626' (-1523)	09/18/2015- Run OH logs @ 7:15 AM.

REMARKS:

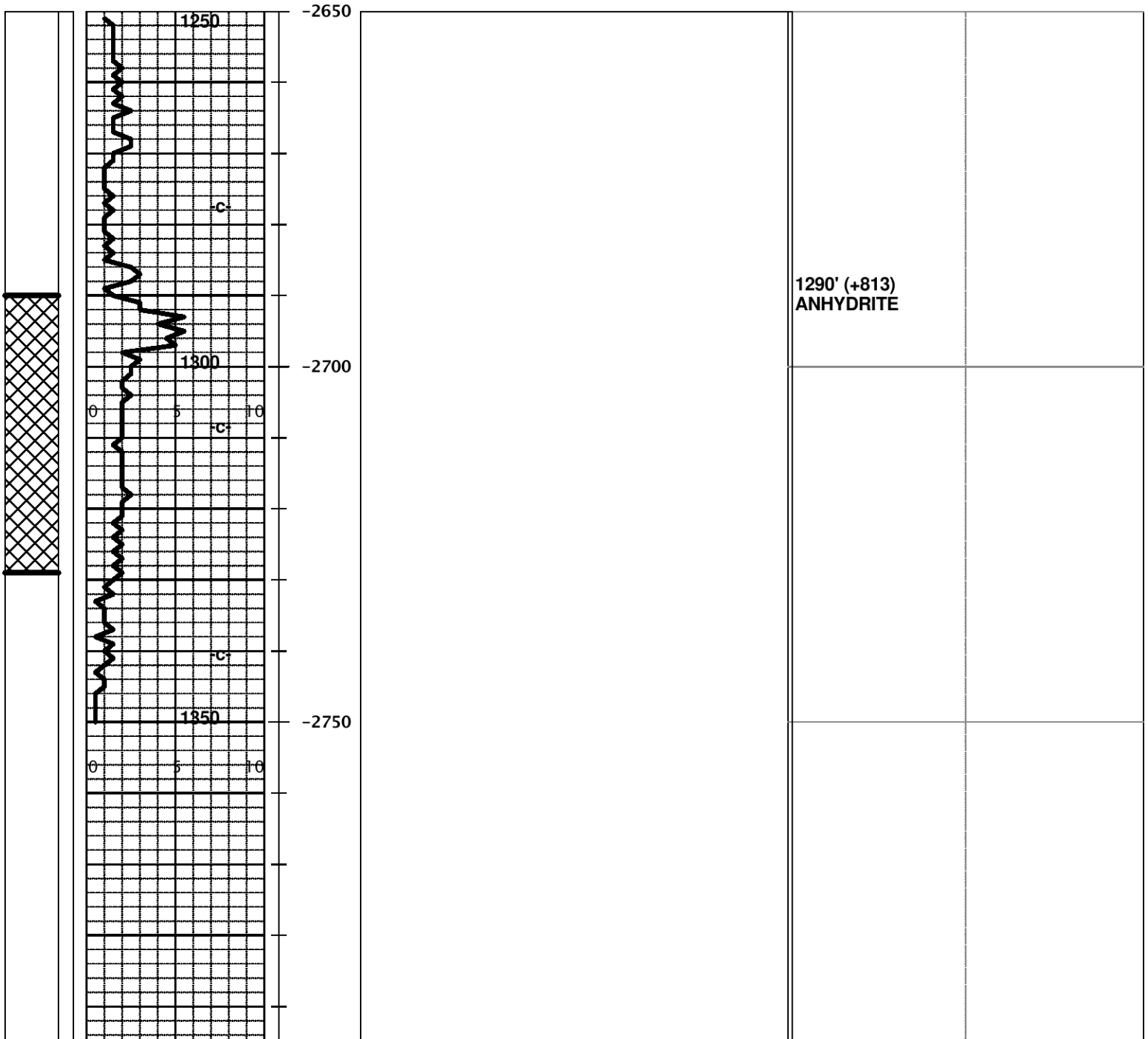
Casing job by R. Martin, Geologist (Wellsite): Ran 86 jts of new 5 1/2", 15#/ft J-55 casing (3622.02' tally), 1 basket and 8

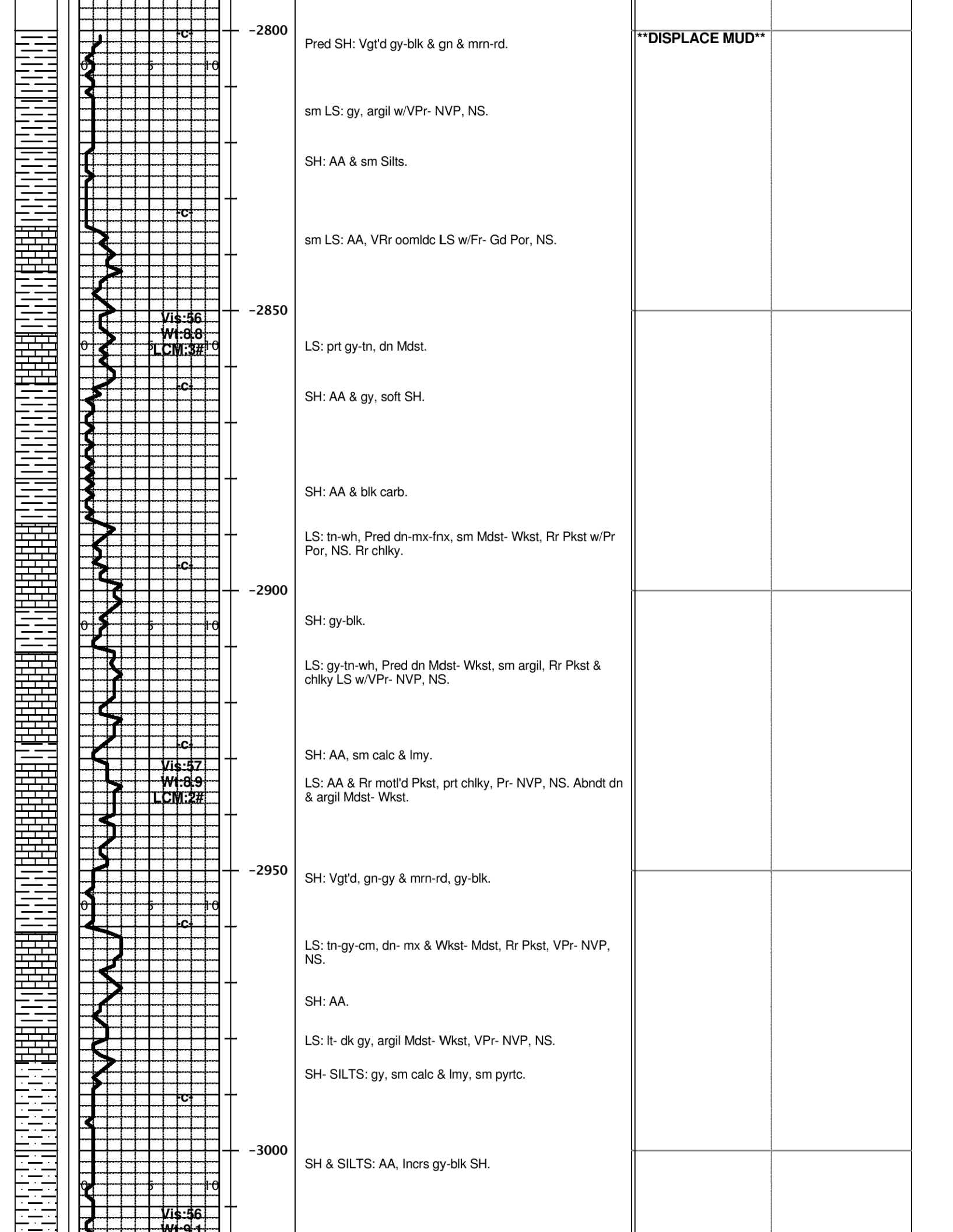
centralizers. Set casing @ 3623' & cemented w/150 sx
AA-2 & 30 sx 60/40 Pozmix for rathole by Basic. Bumped
plug w/1800 psi @ 12:10 AM on 09/19/2015.

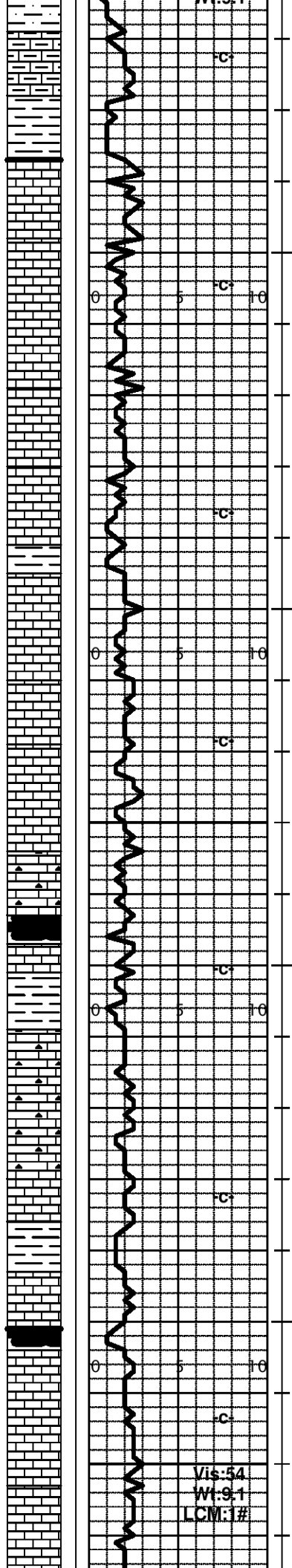
**E-log tops by P. Ramondetta, Geologist, VOC

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

LITH	POROSITY	DRILLING TIME MIN/FT	DST	SAMPLE DESCRIPTION	REMARKS
------	----------	-------------------------	-----	--------------------	---------







LS: gy-bf-cm, argil Mdst- Wkst, sm argil Pkst w/VPr- NVP, NS.

SH: gy-blk, sm carb

{Topeka} LS: tn-gy-wh, Pred dn- mx, sm Mdst, Rr Wkst- Pkst, VPr- NVP, NS.

-3050

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

LS: bf-tn-gy-wh, Pred mx- dn, sm chlky, VPr- Pr visbl Por: mIX Por & mIGr Por, Trc mFrac Edg & IX Por w/FLR w/NFO & NC.

LS: gy, argil- dn Mdst.

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

-3100

LS: gy, tn, dn mx & Mdst w/VPr- NVP w/NS. Trc blk vit chert; VRr chlky.

LS: Rr Wkst-Pkst w/Pr- VPr IGr Por w/NS, sm argil- shly.

LS: cm-tn, mx- VfnIn, sm ool & fos Pkst- Wkst, VPr- Pr visbl Por, NS. Rr wh-chlky LS w/NS. SI Cherty.

LS: AA, sm argil Mdst- Wkst, sm CHERT: dk-lt blu-gy, shrp.

SH: sm blk carb.

-3150

LS: cm-gy-tn, dn Wkst- Pkst.

SH: gy & gn-gy, sm calc & lmy.

LS: tn-gy-wh, Pred dn, cryptox- fnx, sm Wkst- Pkst w/VPr- Pr Por, sm semichlky, VCHERTY: blu-gy, shrp.

LS: AA, Pred dn hd Mdst, Rr chlky LS.

SH: gy-blk, sm carb.

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

-3200

SH: blk carb- Vcarb.

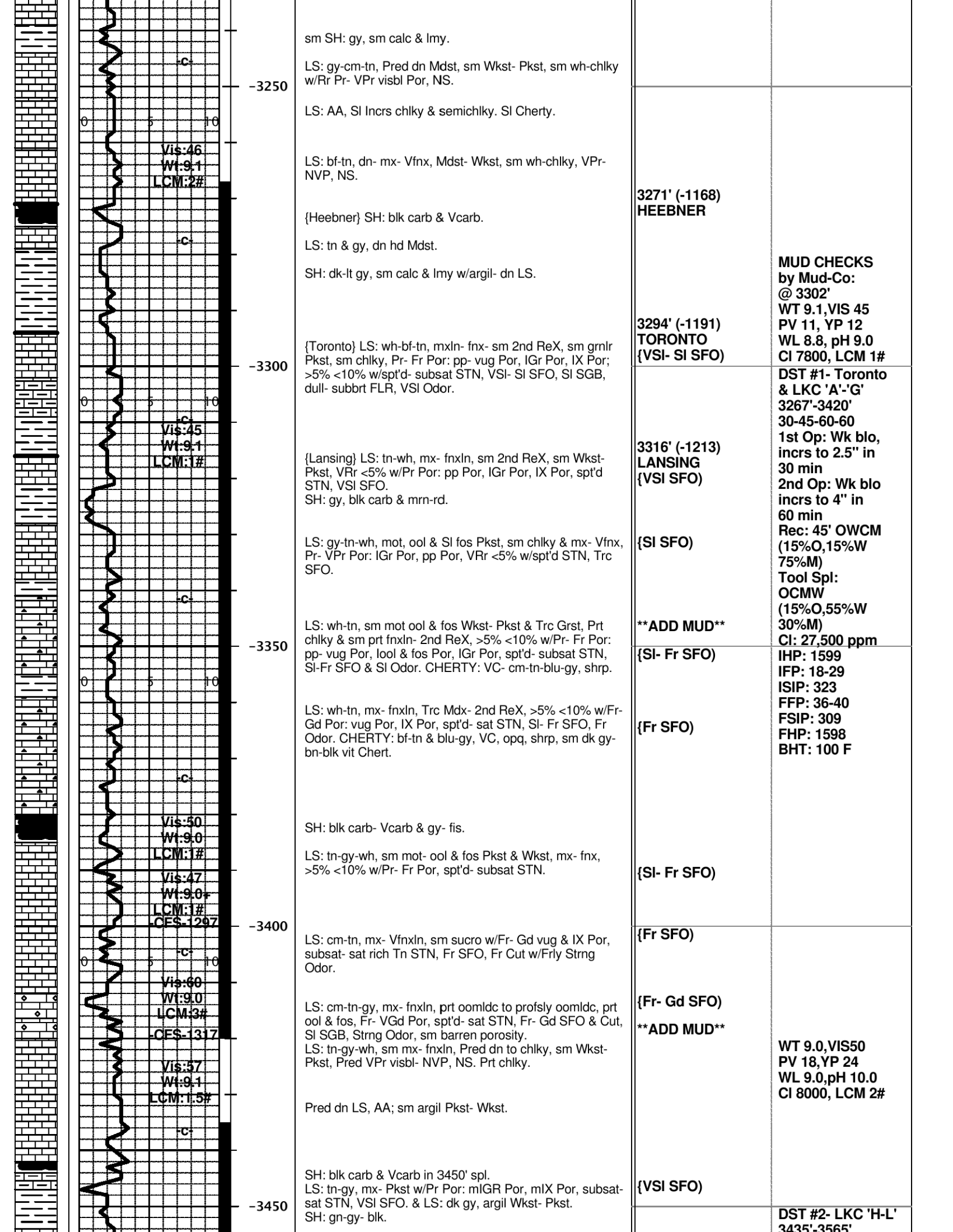
LS: gy-tn, Pred dn Mdst- Wkst, sm semi-chlky Wkst- Pkst w/VPr- Pr Por, NS. Rr fos Wkst- Pkst, SI Cherty, NS.

Vis:54
Wt:9.1
LCM:1#

LS: cm-gy-tn, Pred dn Mdst, sm Wkst- Pkst, Pr- NVP, NS.

3037' (-934)
TOPEKA

10' SAMPLES



sm SH: gy, sm calc & lmy.

-3250
LS: gy-cm-tn, Pred dn Mdst, sm Wkst- Pkst, sm wh-chlky w/Rr Pr- VPr visbl Por, NS.

LS: AA, SI Incrs chlky & semichlky. SI Cherty.

LS: bf-tn, dn- mx- Vfnx, Mdst- Wkst, sm wh-chlky, VPr- NVP, NS.

{Heebner} SH: blk carb & Vcarb.

LS: tn & gy, dn hd Mdst.

SH: dk-lt gy, sm calc & lmy w/argil- dn LS.

-3300
{Toronto} LS: wh-bf-tn, mxln- fnx- sm 2nd ReX, sm grnlr Pkst, sm chlky, Pr- Fr Por: pp- vug Por, IGr Por, IX Por; >5% <10% w/spt'd- subsat STN, VSI- SI SFO, SI SGB, dull- subbrt FLR, VSI Odor.

{Lansing} LS: tn-wh, mx- fnxln, sm 2nd ReX, sm Wkst- Pkst, VRr <5% w/Pr Por: pp Por, IGr Por, IX Por, spt'd STN, VSI SFO.
SH: gy, blk carb & mrn-rd.

LS: gy-tn-wh, mot, ool & SI fos Pkst, sm chlky & mx- Vfnx, Pr- VPr Por: IGr Por, pp Por, VRr <5% w/spt'd STN, Trc SFO.

-3350
LS: wh-tn, sm mot ool & fos Wkst- Pkst & Trc Grst, Prt chlky & sm prt fnxln- 2nd ReX, >5% <10% w/Pr- Fr Por: pp- vug Por, lool & fos Por, IGr Por, spt'd- subsat STN, SI-Fr SFO & SI Odor. CHERTY: VC- cm-tn-blu-gy, shrp.

LS: wh-tn, mx- fnxln, Trc Mdx- 2nd ReX, >5% <10% w/Fr- Gd Por: vug Por, IX Por, spt'd- sat STN, SI- Fr SFO, Fr Odor. CHERTY: bf-tn & blu-gy, VC, opq, shrp, sm dk gy- bn-blk vit Chert.

SH: blk carb- Vcarb & gy- fis.

LS: tn-gy-wh, sm mot- ool & fos Pkst & Wkst, mx- fnx, >5% <10% w/Pr- Fr Por, spt'd- subsat STN.

-3400
LS: cm-tn, mx- Vfnxln, sm sucro w/Fr- Gd vug & IX Por, subsat- sat rich Tn STN, Fr SFO, Fr Cut w/Frly Strng Odor.

LS: cm-tn-gy, mx- fnxln, prt oomldc to profsly oomldc, prt ool & fos, Fr- VGd Por, spt'd- sat STN, Fr- Gd SFO & Cut, SI SGB, Strng Odor, sm barren porosity.

LS: tn-gy-wh, sm mx- fnxln, Pred dn to chlky, sm Wkst- Pkst, Pred VPr visbl- NVP, NS. Prt chlky.

Pred dn LS, AA; sm argil Pkst- Wkst.

-3450
SH: blk carb & Vcarb in 3450' spl.
LS: tn-gy, mx- Pkst w/Pr Por: mIGR Por, mIX Por, subsat- sat STN, VSI SFO. & LS: dk gy, argil Wkst- Pkst.
SH: gn-gy- blk.

3271' (-1168)
HEEBNER

3294' (-1191)
TORONTO
{VSI- SI SFO}

3316' (-1213)
LANSING
{VSI SFO}

{SI SFO}

ADD MUD

{SI- Fr SFO}

{Fr SFO}

{SI- Fr SFO}

{Fr SFO}

{Fr- Gd SFO}

ADD MUD

{VSI SFO}

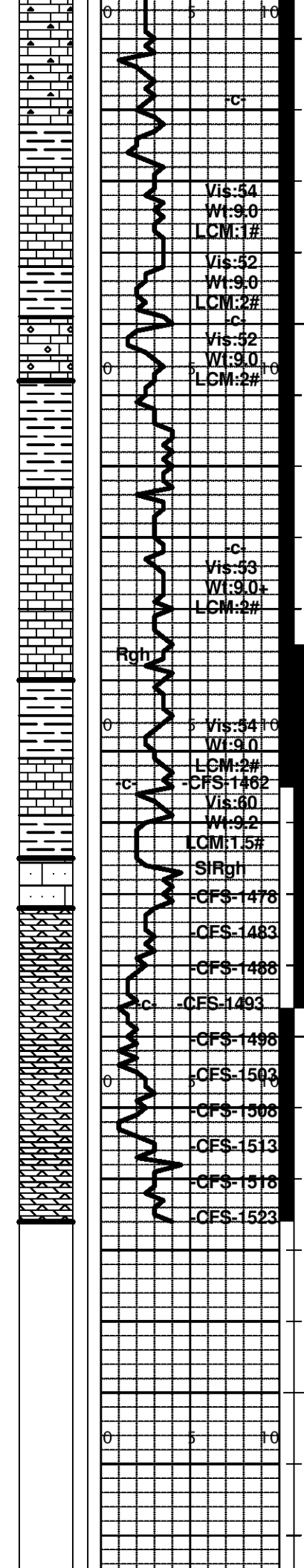
MUD CHECKS
by Mud-Co:
@ 3302'
WT 9.1, VIS 45
PV 11, YP 12
WL 8.8, pH 9.0
CI 7800, LCM 1#

DST #1- Toronto
& LKC 'A'-'G'
3267'-3420'
30-45-60-60
1st Op: Wk blo,
incrs to 2.5" in
30 min
2nd Op: Wk blo
incrs to 4" in
60 min
Rec: 45' OWCM
(15%O,15%W
75%M)
Tool Spl:
OCMW
(15%O,55%W
30%M)
CI: 27,500 ppm

IHP: 1599
IFP: 18-29
ISIP: 323
FFP: 36-40
FSIP: 309
FHP: 1598
BHT: 100 F

WT 9.0, VIS 50
PV 18, YP 24
WL 9.0, pH 10.0
CI 8000, LCM 2#

DST #2- LKC 'H-L'
3435'-3565'



LS: cm-tn, mx- fnx, sm 2nd ReX, Pred dn, sm wh-chlky, CHERTY: tn-gy-cm, mot- fos, shrp, opq, VRr <5% w/Pr- Fr Por: pp Por, IX Por, vug Por, spt'd- subsat STN, VSI SFO, VSI- SI Cut, VSI Odor; sm argil, Pred dn, sm chlky.

SH: gn-gy, soft & mrrn-rd.

LS: tn-wh-gy, mx- Rr fnx- 2nd ReX, VRr ~5% w/Pr- Fr Por: vug Por, pp Por, IX Por, spt'd- Trc sat STN, Trc ool & fos Grst w/Gd Por, SI- Fr SFO & Cut. SI Cherty, AA.

SH: gn-gy & blk, sm calc & lmy.

LS: tn-wh-gy, sm chlky, Pred dn- mx, sm ool & fos Pkst- Grst, Rr prt oomldc to Voomldc w/Pr- Fr Por & VRr Gd Por: oomldc, Trc sat rich Tn STN & Fr- Gd SFO & GB & Cut, Fr Odor, VRr barren Por, sm argil dn LS.

{Stark} SH: gy & gn, sm calc & lmy, & blk carb.

LS: tn-gy-wh, mx- Rr fnxln, VRr oomldc & VRr Pkst- Grst w/Fr- Trc Gd Por: >5% <10% w/spt'd- sat STN, SI- Fr SFO & Cut, Trc Gd SFO & Cut, Frly Strng Odor.

LS: tn-gy-wh, Pred dn & sm chlky- Mdst- Wkst & mx- fnx, sm Pkst VRr, <5% w/Pr- Fr Por: pp Por, IX Por vug Por s/spt'd- sat STN, SI SFO & Cut. sm argil- shly LS, AA.

{Base Kansas City} SH: blk carb & gy & gn-gy, sm calc & lmy & rd-mrn SH.

SH: AA, Incrs gy-blk.

LS: tn-wh & gy, Pred dn- Mdst- Wkst, sm chlky, VPr- NVP, Pred barren, Trc Pr Por w/STN-SFO-Cut.

Abndt SH: gy-blk & gn-gy, sm calc & lmy & rd SH. {Arbuckle} LS: cm-tn, mx- fnxln, Pred Pr Por, sm gnrlnr Pkst & grst & sndy, Vfn- fn Gr'd, >10% <20% w/Pr- Fr Por, spt'd- sat STN, Fr SFO, Strng Odor. {Arbuckle} DOLO: tn-bf-cm, mx- Mdxn, Pred dn- Pr Por, VRr Fr- Gd Por, ~10% w/SFO- STN. DOLO: tn-bf-cm, mx- Mdxln, ~20% w/Pr- Fr Por: IX Por, vug Por, spt'd-sat STN, ~5% w/Gd Por- STN- Fr SFO. DOLO: ~40% Vfn- fnxln, sucro w/Fr Por: IX Por, pp- vug Por, sat STN, Fr- Gd SFO, Fr- Gd Cut, Strng Odor, VCherty. DOLO: VCherty, AA, Pred Vfn- fnxln, sucro w/Fr- Gd Por: IX & vug Por, sat STN, Fr- Gd SFO & Cut. DOLO: AA, Vfn- fnxln, sucro & VRr prt oomldc w/Gd Por, ~80% sat STN, Gdo SFO, dull- NF, Fr- Gd Cut, Strng Odor. DOLO: AA, sm mx- fnxln, prt dn, VCherty, Abndt sat Dolo, AA & mx- Mdxln, ~40% w/Fr- Gd IX & vugPor, sat Tn STN, Gd SFO- Cut, Strng Odor. DOLO: cm-Tnbn- STN, mx- Mdxln, ~30% dn to Pr Por, spt'd STN, ~30% Fr Por- sucro w/subsat- sat STN, ~20% Gd IX & vug Por, sat STN, Gd SFO, 10-20% Chert. DOLO: bf-Tn-STN, mx- fnxln, VRr prt Mdxln, ~20% w/Gd IX Por, vug Por, sat STN, Gd SFO, Trc oomldc, 20% Fr Por, 40% Pr Por, spt'd- subsat STN.

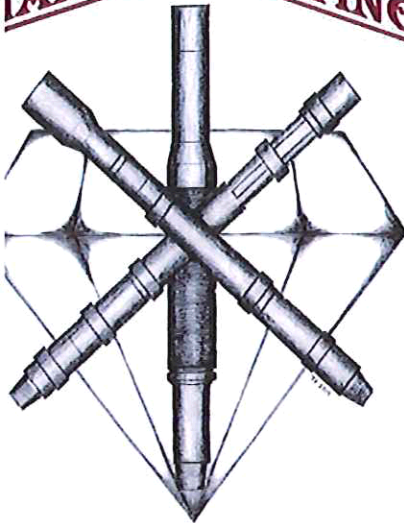
{VSI SFO}	30-45-60-60 30-45-60-60 1st Op: Wk blo, Incrs to 5" in 30 min 2nd Op: Wk blo, Incrs to 1.75" in 60 min Rec: 75' SOSM (1%O,99%M) Tool Spl: SOCM (4%O,96%M) CI: 27,500 ppm IHP: 1706 IFP: 20-45 ISIP: 208
{SI-Fr SFO}	
{Fr- Gd SFO}	FFP: 43-63 FSIP: 176 FHP: 1705 BHT: 101F
3508' (-1405) STARK	
{SI- Fr SFO}	@ 3565': WT 9.0, VIS 50 PV 15, YP 27 WL 7.6, pH 10.0 CI 5400, LCM 2#
{SI SFO}	
3550' (-1447)	
BASE KANSAS CITY	DST #3- ARBUCKLE 3545'-3596' 30-45-30-45 1st Op: Wk blo, incrs to 3/4" in 30 min 2nd Op: No blow Rec: 1' CO 15' OSM (3%O,97%M) Tool Spl: SOCM (5%O,95%M) IHP: 1701 IFP: 20-22 ISIP: 378 FFP: 23-24 FSIP: 333
3575' (-1472) ARBUCKLE LS	FHP: 1698 BHT: 102 F
3582' (-1479) ARBUCKLE DOLO {SI- Fr SFO}	DST #4- ARBUCKLE 3596'-3626' 30-45-30-45 1st Op: Wk blo, incrs to 1.25" in 30 min 2nd Op: VWk blo, incrs to 0.5" in 60 min Rec: 35' WM (40%W,60%M) Tool Spl: SWCM (8%W,92%M) CI: 14,000 ppm IHP: 1726 IFP: 16-22 ISIP: 422 FFP: 23-32 FSIP: 400 FHP: 1693 BHT: 104 F
{Fr- Gd SFO}	
{Gd SFO}	WT 9.2, VIS 52 PV 15, YP 25 WL 7.8, pH 10.5 CI 6600, LCM 3#
{Gd SFO}	
3626' (-1523)/RTD 3627' (-1524)/LTD	
@ 3601': WT 9.2, VIS 52 PV 15, YP 25 WL 7.8, pH 10.5 CI 6600, LCM 3#	
@ 3626': WT 9.2, VIS 51 PV 18, YP 21 WL 8.0, pH 10.0 CI 6900, LCM 2#	
VESS OIL CORP HALL 'D' #9	

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313

DIAMOND TESTING



TEST INFORMATION

Well Name	Hall D #9
Company Name	Vess Oil Corporation
Formation	DST #1, Toronto - KC "G" 3267'-3420'
Test Type	Bottom-Hole w/J&J
Surface Location	Sec 2-12s-17w- Ellis Co.- KS
KB Elevation (SL)	2103.000
Gauge Name	5584
Start Test Date	2015/09/15
Start Test Time	01:20:00
Final Test Date	2015/09/15
Final Test Time	08:32:00
Job Number	F413
Contact	Dylan Klaus
Site Contact	Roger Martin

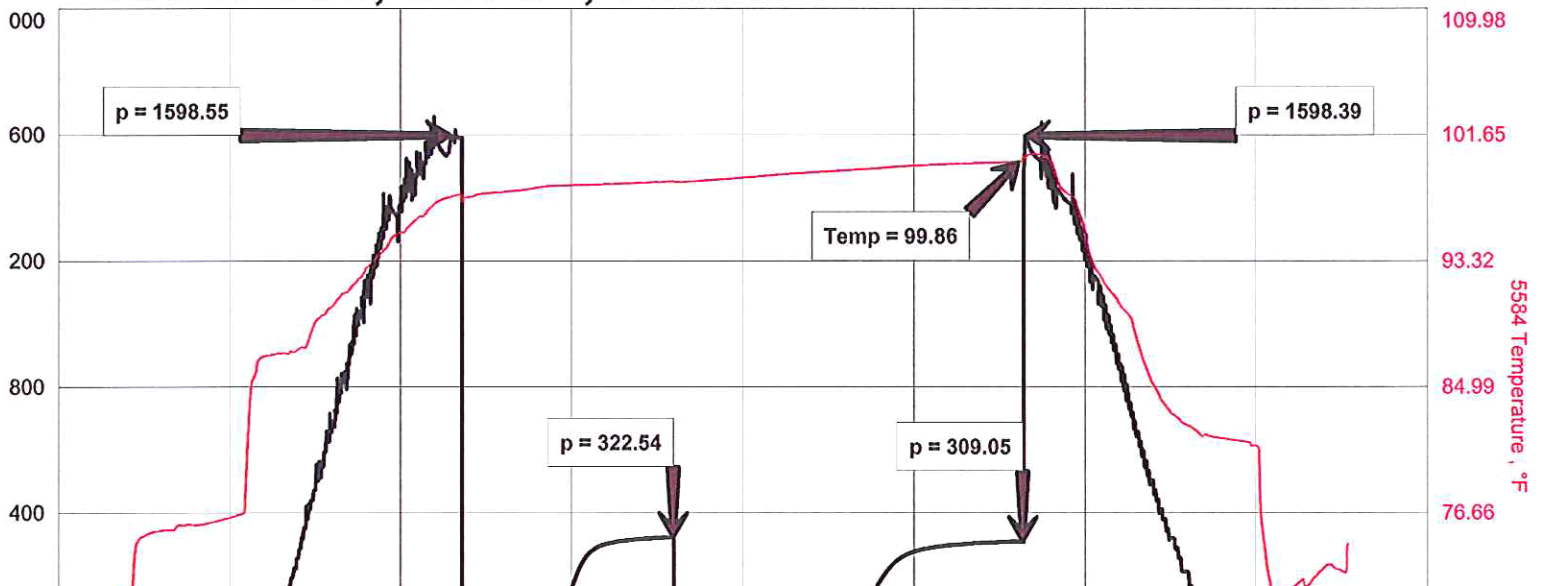
TEST RESULTS

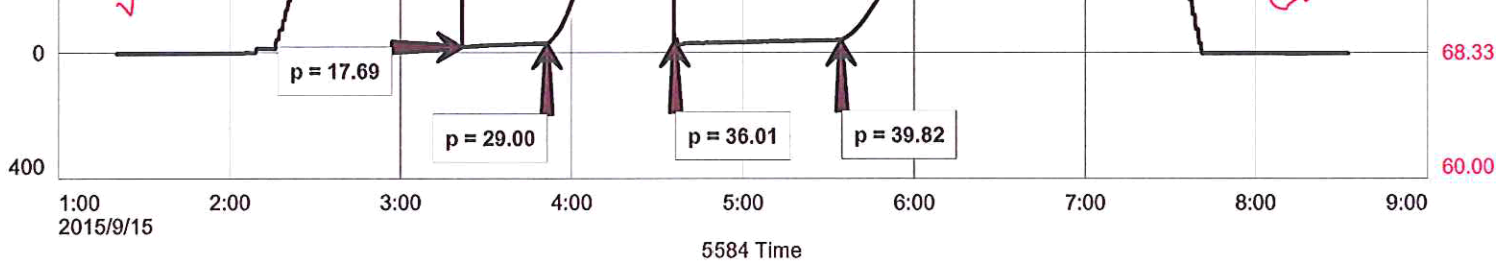
30 minute initial flow, weak blow, increased to 2.5"
 60 minute final flow, weak blow, increased to 4"

Recovered: 45' of Oil & Water Cut Mud, 10% oil, 15% wtr, 75% mud

Tool Sample: Oil Cut Muddy Water, 15% oil, 55% wtr, 30% mud
 Chlorides: 27,500 PPM
 RW: .25 ohm @ 70 Deg F
 PH: 8.0

HALL D #9, DST #1, TORONTO - KC "G" 3267'-3420'

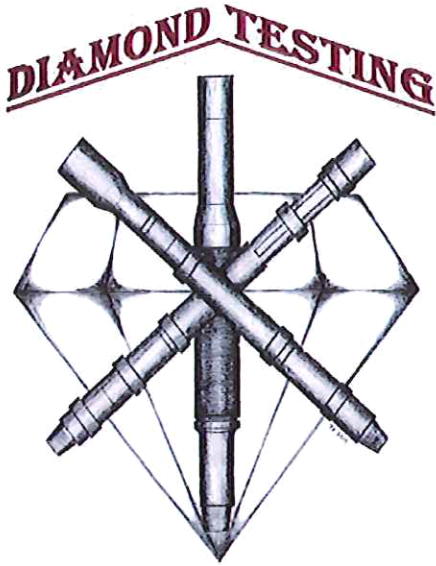




DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Hall D #9
Company Name	Vess Oil Corporation
Formation	Kansas City "H-L" 3435'-3565'
Test Type	Bottom-Hole w/J&J
Surface Location	Sec 2-12s-17w-Ellis Co.-KS
KB Elevation (SL)	2103.000
Gauge Name	5584
Start Test Date	2015/09/15
Start Test Time	22:03:00
Final Test Date	2015/09/16
Final Test Time	05:05:00
Job Number	F414
Contact	Dylan Klaus
Site Contact	Roger Martin

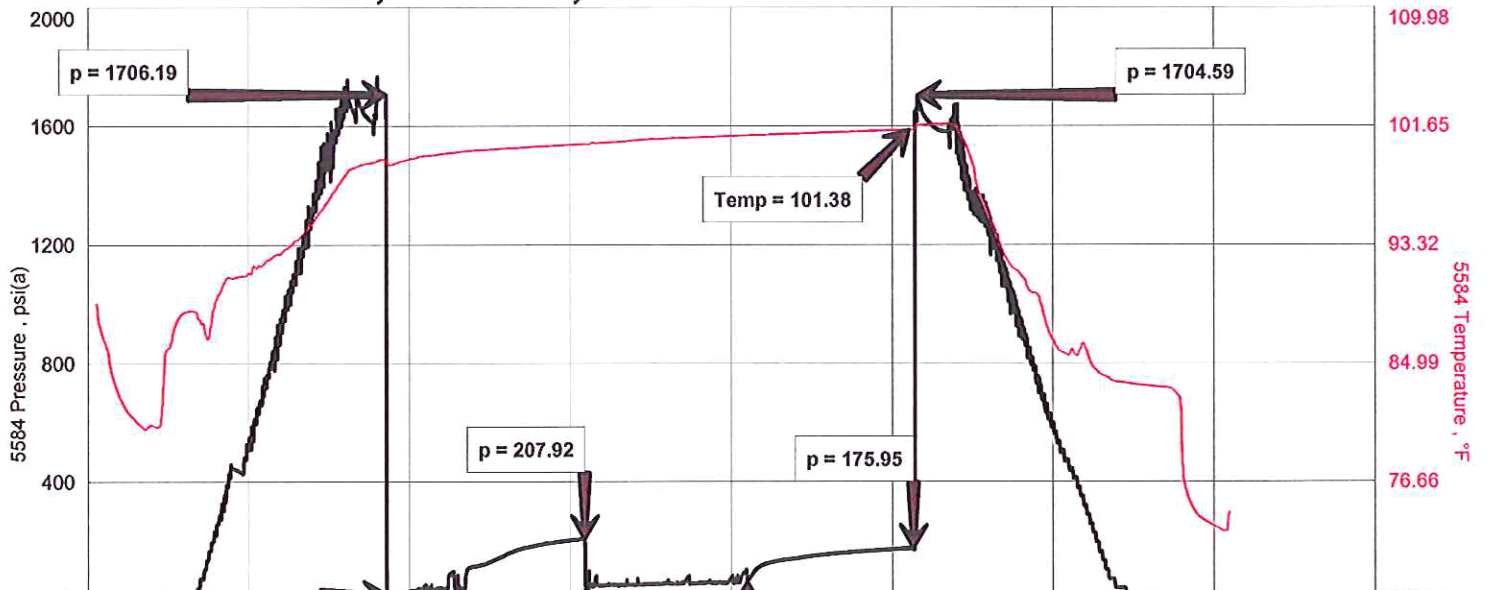
TEST RESULTS

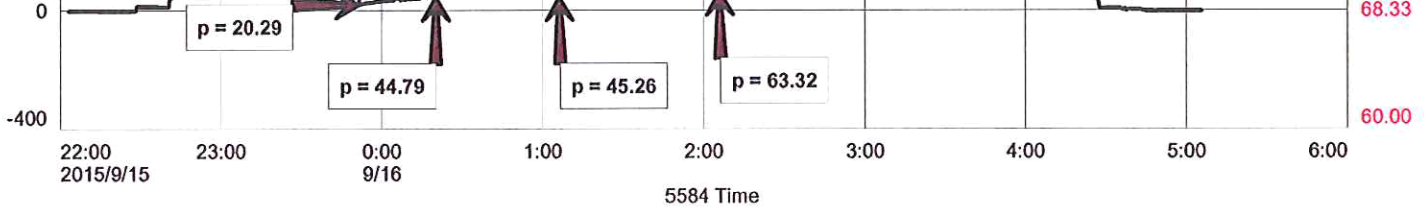
30 minute initial flow, weak blow, increased to 5"
 60 minute final flow, weak blow, increased to 1.75"

Recovered 75' of Slightly Oil Specked Mud: 1% oil, 99% mud

Tool Sample, Slightly Oil Cut Mud: 4% oil, 96% mud

HALL D #9, DST #2, KANSAS CITY "H-L" 3435'-3565'



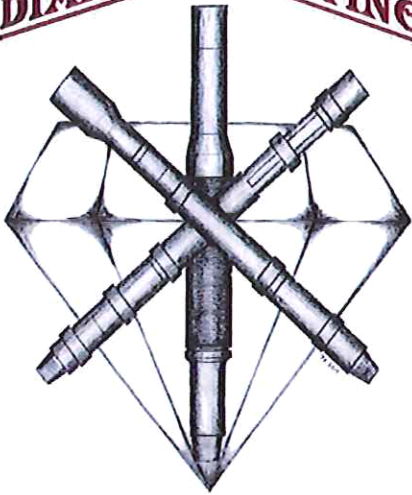


DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313

DIAMOND TESTING



TEST INFORMATION

Well Name	Hall D #9
Company Name	Vess Oil Corporation
Formation	DST #3, Arbuckle 3545'-3596'
Test Type	Bottom-Hole with Jars & Safety Joint
Surface Location	Sec 2-12s-17w-Ellis Co.-KS
KB Elevation (SL)	2103.000
Gauge Name	5584
Start Test Date	2015/09/16
Start Test Time	20:04:00
Final Test Date	2015/09/17
Final Test Time	02:08:00
Job Number	F415
Contact	Dylan Klaus
Site Contact	Roger Martin

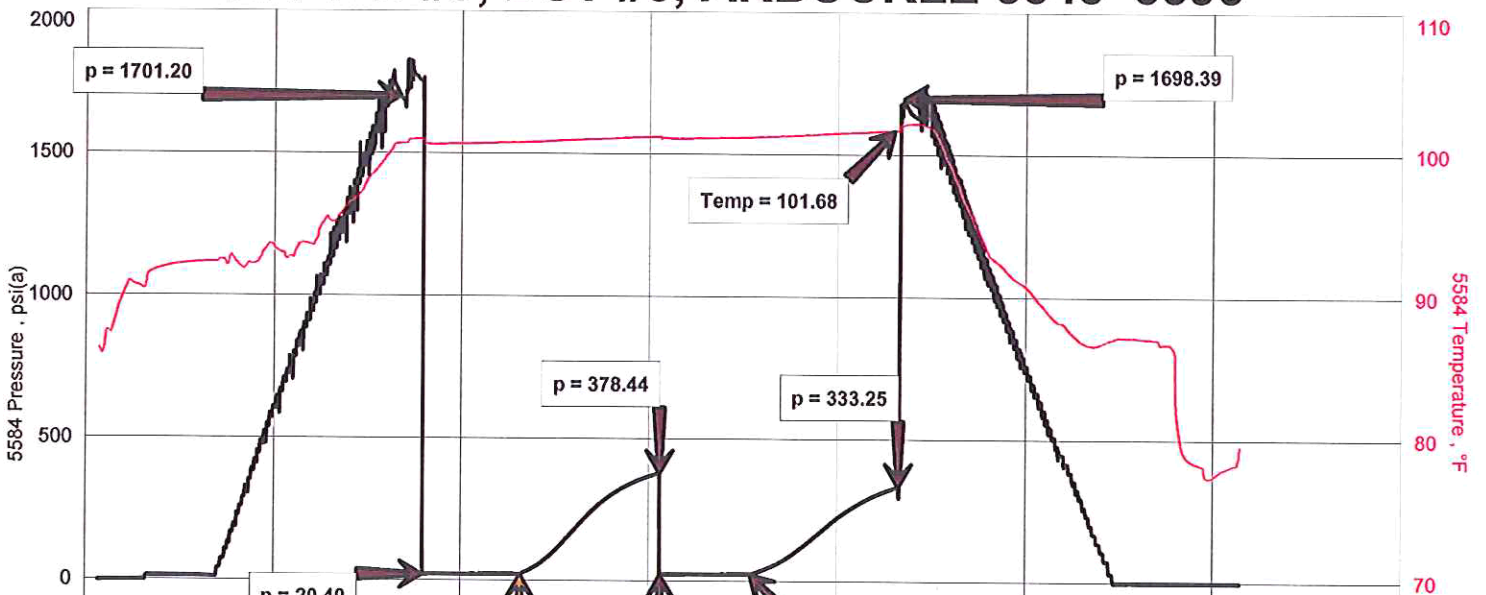
TEST RESULTS

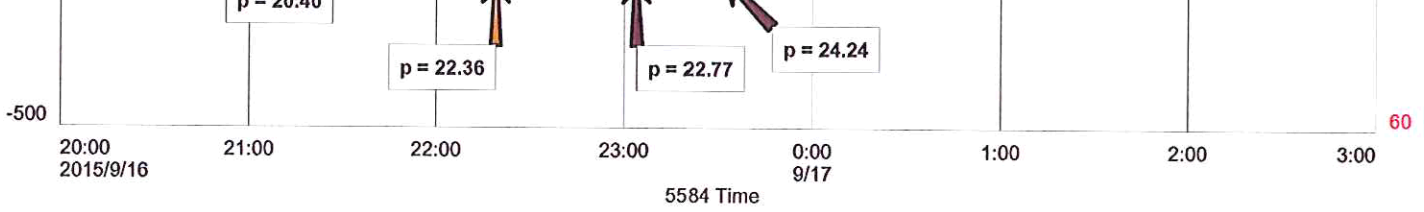
30 minute initial flow, weak blow, increased to .75"
 30 minute final flow, no blow

TOTAL RECOVERED FLUID: 16'

- 1' Clean Oil 100% oil
- 15' Oil Specked Mud 3% oil, 97% mud
- TOOL SAMPLE: Slightly Oil Cut Mud 5% oil, 95% mud

HALL D #9, DST #3, ARBUCKLE 3545'-3596'

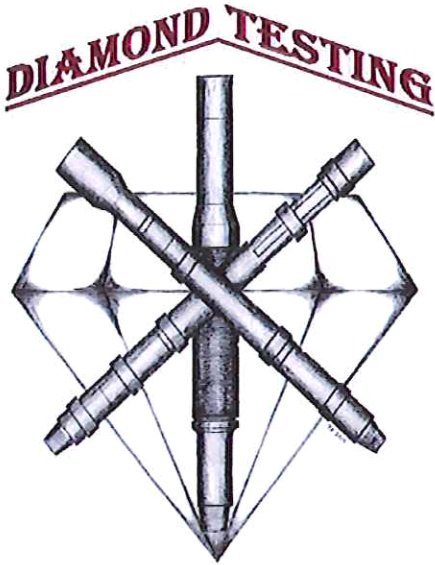




DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Hall D #9
Company Name	Vess Oil Corporation
Formation	DST #4, Arbuckle 3596'-3626'
Test Type	Bottom-Hole w/ Jars & Safety Joint
Surface Location	Sec 2-12s-17w-Ellis Co.-KS
KB Elevation (SL)	2103.000
Gauge Name	5584
Start Test Date	2015/09/17
Start Test Time	17:40:00
Final Test Date	2015/09/17
Final Test Time	00:46:00
Job Number	F416
Contact	Dylan Klaus
Site Contact	Roger Martin

TEST RESULTS

30 minute initial flow, weak blow, increased to 1.25" in bucket.
 60 minute final flow, very weak blow, increased to .5" in bucket.

Recovered 35' of Watery Mud: 40% wtr, 60% mud
 Tool Sample: SWCM 8% wtr, 92% mud
 Chlorides: 14,000 PPM
 RW: .46 ohm @ 70 Deg F
 PH: 8.0

HALL D #9, DST #4, ARBUCKLE 3596'-3626'

