ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION

LEASE NETAHLA 'C' #2

FIELD GEBERDING

LOCATION 2310' FNL & 840' FWL

SECTION 5 TOWNSHIP 34S RANGE 04W

COUNTY SUMNER STATE KANSAS

ELEVATIONS

KB 1246' GL 1236'

Measurements Are All From KB:1246'

API 15-191-22706-00-00

CONTRACTOR VAL ENERGY, Rig #3

SPUD 09/10/2013 COMP 09/20/2013

RTD 4420' (-3174) LTD N/A

ELECTRICAL SURVEYS

NO OPEN HOLE E-LOGS

1 DST by DIAMOND TESTING

CASING

SURFACE 7 jts 13 3/8" 48#/ft LS casing

Tally= 274' set @ 287' w/255 sx Class A

PRODUCTION n/a- D&A

FORMATION TOPS	LOG	SAMPLES
OREAD	--	2898' (-1652)
HEEBNER	--	2937' (-1691)
STALNAKER SAND	--	3378' (-2132) (PJR)
KANSAS CITY	--	3618' (-2372)
HERTHA	--	3838' (-2592)
BASE KANSAS CITY	--	3860' (-2614)
MARMATON	--	3952' (-2706)
CHEROKEE	--	4095' (-2849)
MISSISSIPPIAN	--	4315' (-3069)
MISS CHERT POROSITY	--	4371' (-3125)
BASE POROSITY	--	4377' (-3131)
RTD	--	4420' (-3174)

CHRONOLOGY

09/09/2013- MIRU VAL Energy Rig #3. 7 jts 13 3/8" caing delivered. Raised derrick, Spud Mouse hole @ 10 PM. Drilled Rathole. Spud 17 1/2" hole @ 4 AM.

09/10/2013- 40'. Working on blocks. Back to drilling @ 1 AM 09/11/2013.

09/11/2013- Drlg @ 240', TD @ 290', Wiper trip before running casing. Survey @ 290' = 1 degree. Run 7 jts of 13 3/8" 48#/ft LS Casing, Tally 274', set @ 287' KB by Consolidated. Cemented w/255 sx Class A, 3% CC, Circ Cement to pit. Plug down @ 1 PM.

09/12/2013- Drlg @ 415'. SHS @ 993' = 1 degree.

09/13/2013- Drlg @ 1515'. No trouble through Ft. Riley. SHS @ 1580' = 1 3/4 degrees.

09/14/2013- Drlg @ 2380'. SHS @ 2109' = 2 1/4 degrees.

09/15/2013- Drlg @ 2965'. Displaced mud @ 2751'. MW 9.0, VIS 43, LCM 1#, Survey @ 2606'= 2 deg.

09/16/2013- Drlg @ 3460'. MW 9.3, VIS 45, LCM 2#, Survey @ 3001 = 2 3/4 degrees. WOB down to 25K. Patton haul 240 bbl free water from pit.

09/17/2013- Drlg @ 3790'. Back to 34K# WOB. Geologist on location. MW 9.3, VIS 45, WL 10.8, LCM 2#.

09/18/2013- Drlg @ 4110'. Survey 1 deg @ 4097'. MW 9.3, VIS 46, LCM 3#.

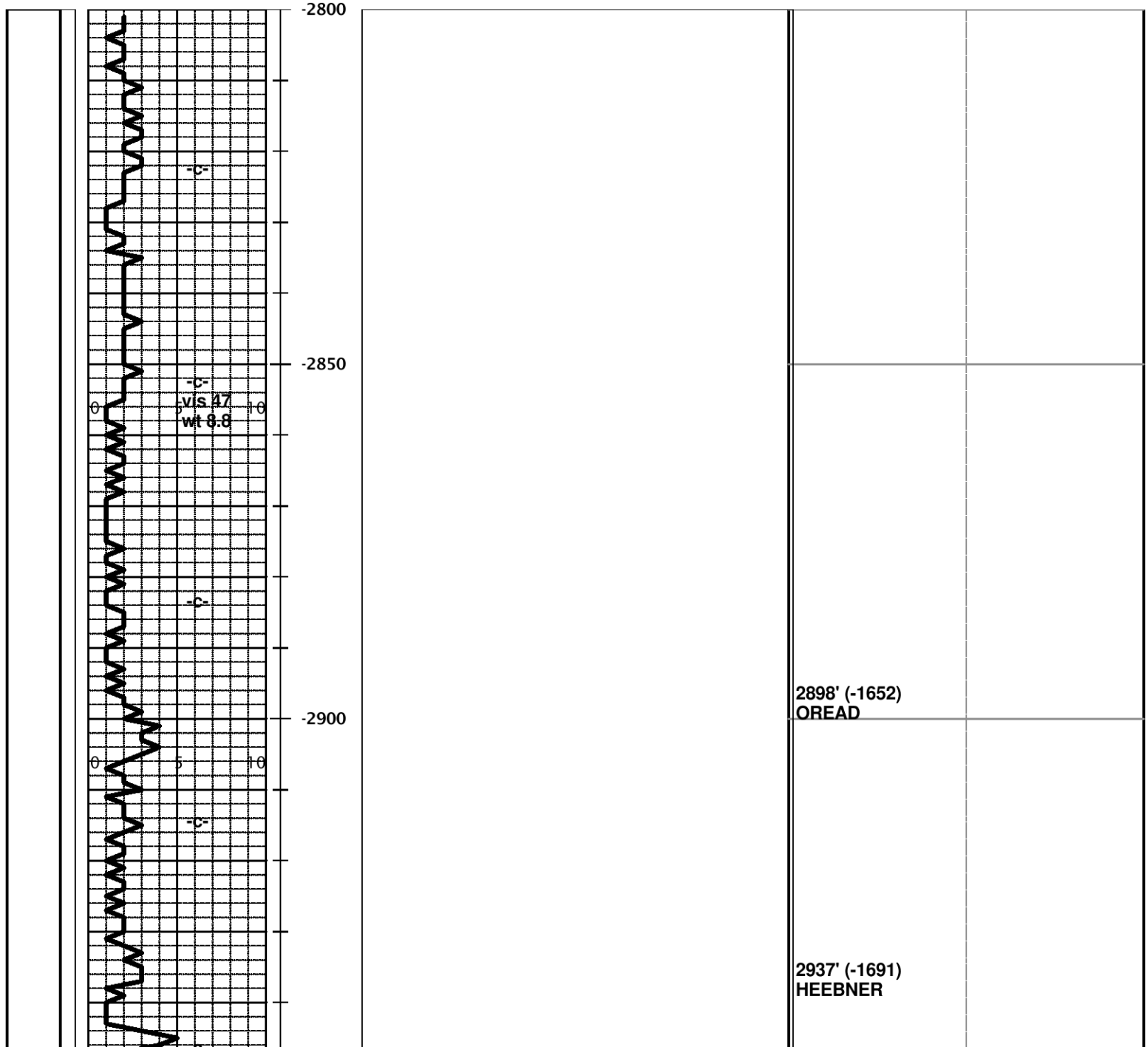
09/19/2013- Circ @ 4347'. Short trip several tight spots.

09/20/2013- DTD 4420'. Pull DST. MW 9.3, VIS 53, WL 9.6, LCM 4#. Survey @ 4420' = 1 degree. Plug well per Jeff Klock, KCC: 975': 35 sx, 550': 35 sx, 330': 50 sx, 60': 35 sx, Rathole: 30 sx, Mousehole: 20 sx. Total = 205 sx 60/40 pozmix, 4% gel. Start plugging @ 3 PM. Finish @ 6:16 PM.

REMARKS: Due to negative drill stem test recovery and poor chert porosity development, the decision was made to plug and abandon the VOC Netahla 'C' #2.

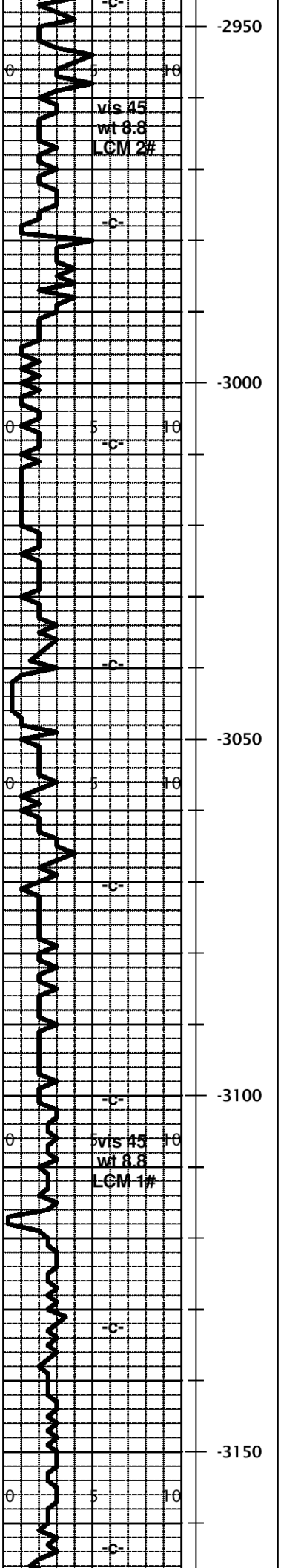
Respectfully submitted,
Roger L. Martin, Geologist (Wellsite)

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



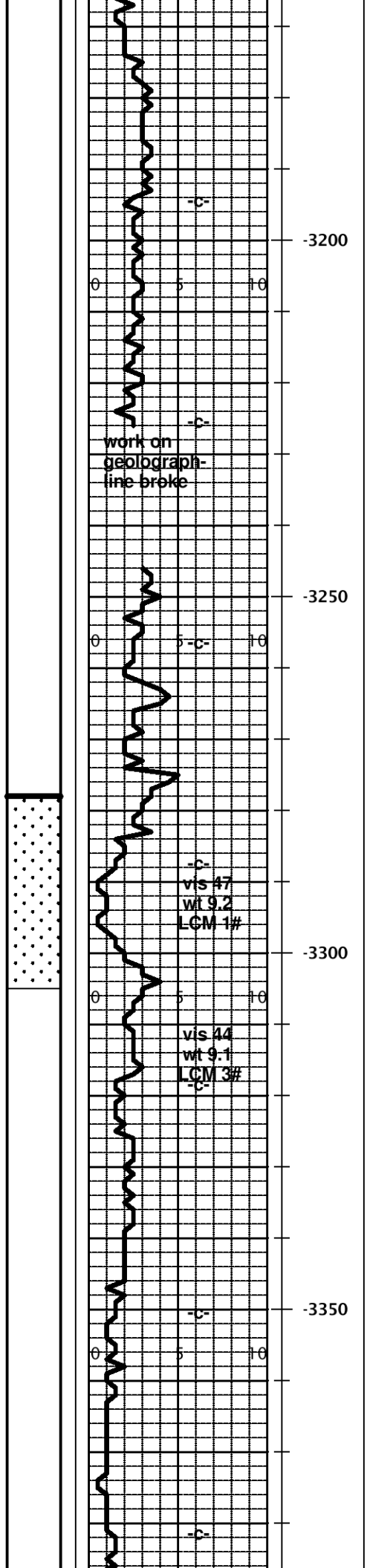
2898' (-1652)
OREAD

2937' (-1691)
HEEBNER



SHS @ 3101'= 3 degrees

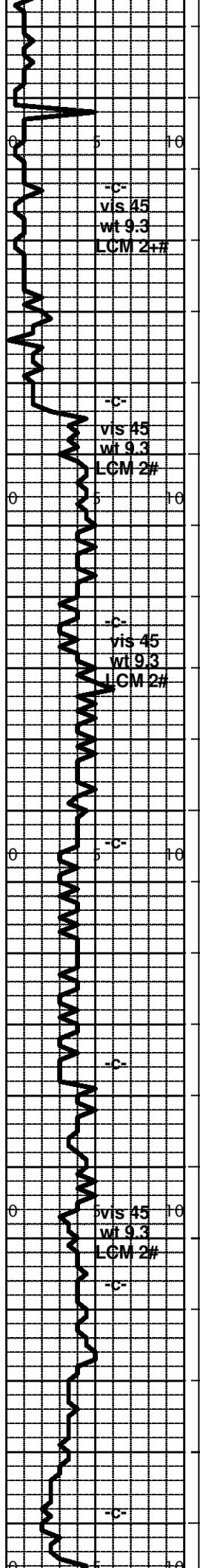
MUD CHECKS
by MUD-CO:
WT 9.0, VIS 43
PV 10, YP 12
WL 8.0, pH 10.5
Cl 5000, LCM 1#



{STALNAKER} SS- SD CLUST: gy-wh & gn-gy, Vfn-fn Gr'd, anglr to rnd'd Gr's, Pred silty & well cmt'd w/VPr- Pr visbl Por, Rr fribl w/Fr- Gd Por w/NS, NF, NC.

3275' (-2032) (RLM)
STALNAKER SD

3378' (-2132) (PJR)
STALNAKER SD



NO SHOWS (NS) IN SAMPLES EXAMINED FROM 2800' TO 3600'.

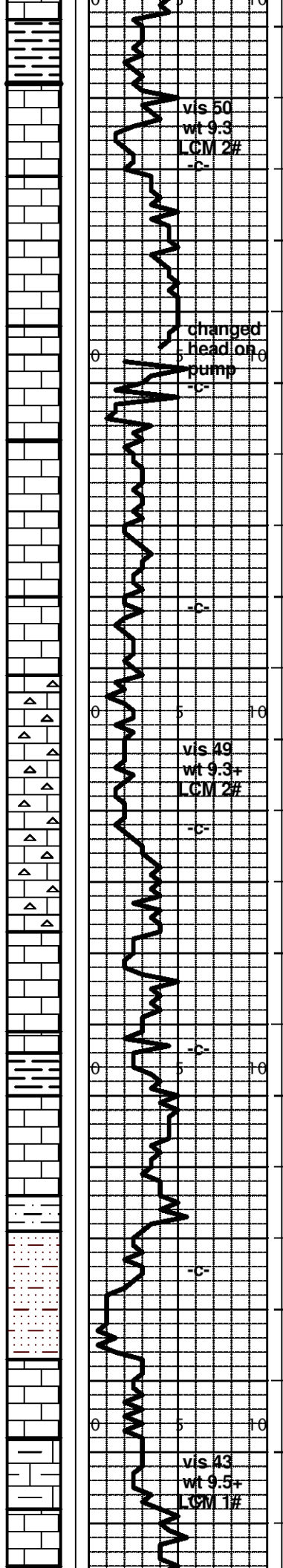
(GEOLOGICAL SUPERVISION FROM ~3600' TO RTD.)

Pred SH: blk- sm carb & gy, VRr Sd Clust: (~5% in 20' spl) gy-wh & bf- transl, Vfn- fn Gr'd, Trc md0 crs Gr's, rnd'd to anglr, Pred silty & well cmt'd, Pr- Trc Fr Por, NS, NF, NC.

LS: tn-gy, dn, mx & Mdst

WT 9.3, VIS 45
PV 14, YP 18
WL 10.8, pH 8.0
Cl 5000, LCM 2#

SHS @ 3536'= 1.5 degrees



-3650

-3700

-3750

-3800

LS: tn-gy, dn- mx- fnx & Mdst.

SH: AA, VRr Sd AA.

{KANSAS CITY} LS: gy-tn-wh, sm dn & argil, sm fos- grnlr Pkst w/Pr- Fr IGr Por w/NS. sm mx- fnx, sm chlky, NS. (Abndt SH: AA)

LS: lt-dk gy & tn, sm mot Pkst & Wkst, Pr- NVP w/NS; sm argil Mdst, Rr wh-chlky.

LS: tn-gy, Pred dn- mx- fnx w/Pred Pr- NVP, Rr Pkst & Pr- Fr pp Por, NS. Trc Gd vug Por w/NS. sm wh-chlky.

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

LS: gy-tn-wh, sm mot Pkst- grnlr, sm Pr- Fr Por: pp & IGr Por w/NS, sm chlky w/NS.

LS: gy-bf-wh, sm mot- Pkst w/Pr- Fr Por: IGr Por, pp Por w/NS. sm mx- crsX's- 2nd ReX w/NS; VRr Fr- Gd vug Por & pp Por w/ NS. Abndt dn LS, sm Cherty: shrp, frsh. (Abndt SH: AA)

LS: gy-bf-wh, sm ot Pkst & mx- fnx, VPr- Pr Por: IGr Por, pp Por, IX Por, NS. Rr chlky, VRr Fr visbl Por, NS.

LS: AA, sm Pr- Fr Por, NS.

Abndt SH: AA & blk carb.

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

SILTS: gy, calc & sndy & micac.

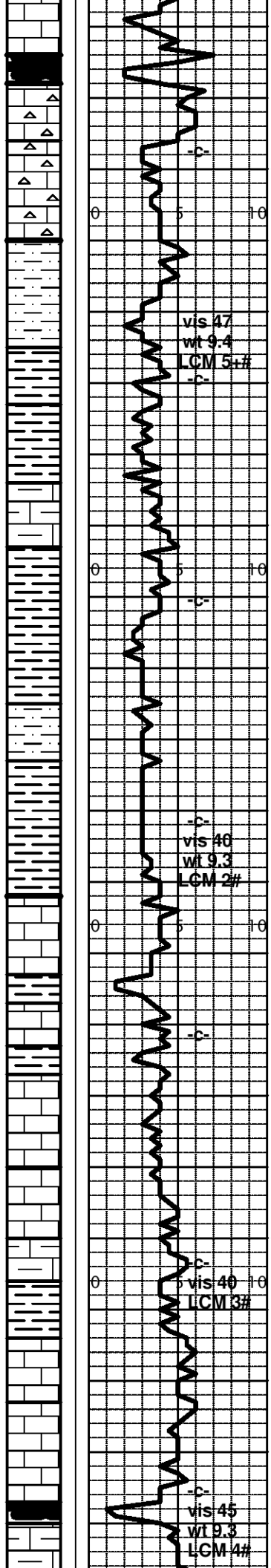
SS- SD CLUST: lt gy, Vfn- fn Gr'd, rnd'd- anglr, well sort'd, well cmt'd to fribl w/Pr- Gd Por w/ NS, NF, NC. Pred silty- micac.

LS: gy-bn-tn-cm-wh, Pred dn- Pr Por, sm chlky, NS.

sm argil- shly LS & SH: gy-blk, sm carb.

LS: lt-dk gy, dn- mx- fnx, VPr- NVP.

3618' (-2372)
KANSAS CITY



LS: tn-gy & wh, Pred dn- mx- fnx, sm chlky, VPr- NVP.

SH: blk carb- Vcarb.

{HERTHA} LS: gy-bn, dn-mx, sm mFrc & Edgs w/2nd ReX. <5% w/FLR- Trc SFO.

LS: gy-tn & gy-wh, mx- Rr fnxln- sm 2nd ReX- Frc Edg & IX Por & mIX Por & pp Por, sm chlky, <5% w/FLR- Trc SFO- Cut.

{BASE KANSAS CITY} SILTS: gy, calc, sm sdy.
SH: dk gy-blk, sm carb.

SH: gy-blk, sm lmy & calc.

SH: AA & LS: AA, Pr- NVP w/NS.

LS: tn-gy-wh, Pred dn- mx- fnx, VPr- NVP, NS. sm Pkst & Wkst: ool & fos w/VPr- Pr Por, NS.

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

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

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

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

SH: AA & blk carb.

LS: tn-gy, pred dn Mdst & mx- fnx.

SH: AA, blk carb.

LS: gy-tn-wh, Pred dn- chlky & mx- fnx, VPr- NVP, NS.

LS: dk-lt gy & tn & wh, Pred dn, sm chlky, VPr- NVP, NS & SH: AA.

SH: Incrs gy-blk, sm carb, sm calc & lmy. & LS: AA & gy, dn- argil Mdst.

SH: AA.

LS: gy-blk, dn & argil Mdst & LS: tn-gy-wh, Mdst, VPr- NVP, NS.

LS: AA, Pred dn & argil Mdst.

SH: blk carb.

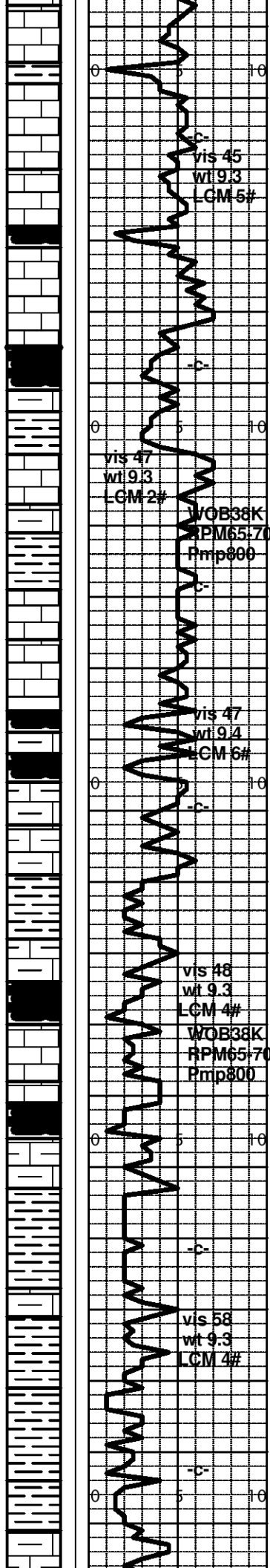
LS: dk gy-blk, dn & argil & mx- dn.

3838' (-2592)
HERTHA
{Trc SFO)

WT 9.6, VIS 47
PV 14, YP 15
WL 9.6, pH 10.0
Cl 6000, LCM 5#

3860' (-2614)
BASE KANSAS CITY

3952' (-2706)
MARMATON



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

Abndt SH: AA, Pred blk, sm carb.

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

LS: gy-bn, dn Mdst.

SH: blk carb- Vcarb.

LS: lt-dk gy & tn, dn Mdst & mx- fnx, VPr- NVP. NS.

{CHEROKEE} SH: blk carb- Vcarb.

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

LS: gy-tn & gy-bn, dn Mdst & mx- fnx, w/VPr- NVP.

LS: AA, sm argil- shly.

SH: Pred gy-blk.

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

LS: gy-blk & tn-bn, dn- mx- Sl pyrtc, VPr- NVP, NS.

SH: blk carb.
LS: gy-blk, dn argil Mdst.

SH: AA.

LS: tn-gy, dn- mx- fnx & LS: AA, VPr- NVP, NS. & SH: AA, pred blk carb, sm calc- lmy.

LS: AA, gy-blk Mdst & mx- dn.

SH: AA, blk carb & subcarb, sm lmy- calc.

LS: gy-bn-blk, dn Mdst & mx- dn, VPr- NVP & argil.

SH: AA, sm V.carb.

LS: AA & tn-gy-wh, dn- mx- fnx, sm chlky, VPr- NVP, NS.

LS: AA, dn- hd.

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

LS: gy-blk argil Mdst.

SH: Pred blk, sm carb & dk gy & gn-gy, sm mrn-rd.

LS: AA, Pred dn Mdst,sm shly.

SH: AA, Incrs VC- mrn-rd, sm LS: AA.

SH: AA, sm blk Vcarb & abndt blk carb & subcarb, sm gn-gy & mrn-rd & sm LS: dn Mdst, argil, AA.

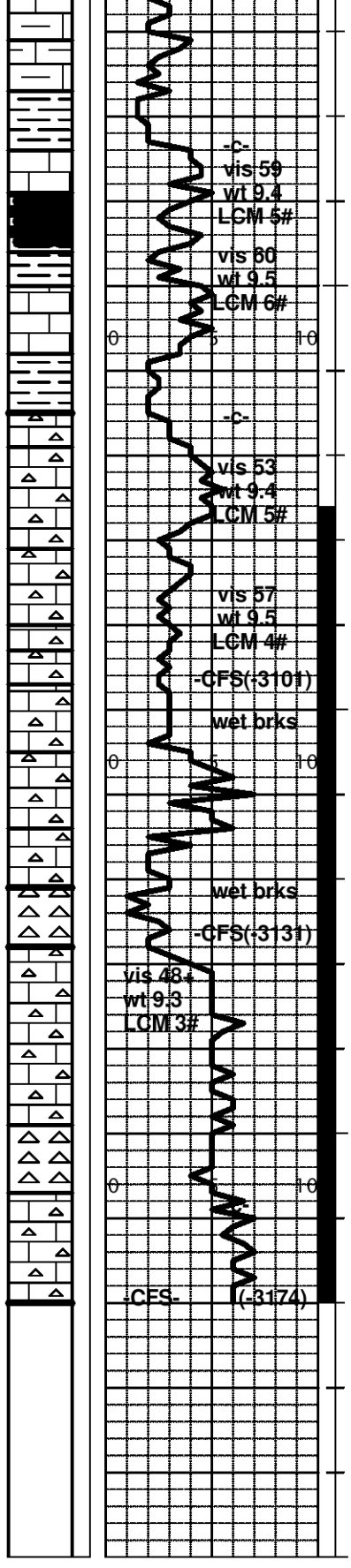
SH: AA, Pred dk gy- blk.

LS: dk-lt gy, sm tn, dn, sm argil Mdst.

4095' (-2849)
CHEROKEE

SHS @ 4098'= 1 degree

WT 9.4, VIS 49
PV 15, YP 16
WL 9.2, pH 10.5
Cl 5000, LCM 6#



LS: AA & lmy calc SH.

SH: VC, sm mrn-rd, sm pyrtc.

LS: gy-dn Mdst, sm pyrtc.

SH: AA, Pred blk carb,

Pred SH: gy-bk, sm carb.

LS: gy-blk, dn Mdst & mx- dn LS, tn-gy w/VPr- NVP, sm argil- shly.

Pred SH: blk, incrs carb & gy & gn-gy, sm pyrtc, VRr <5% Cherty: gy-tn, shrp.

{MISSISSIPPIAN} LS: ~10% LS: lt-dk gy & blk, dn Mdst, sm shly- argil, pyrtc.

LS: ~40% lt-dk gy-tn, sm blk, Pred dn Mdst, Rr Wkst-Pkst, VCherty: (~25%) gy-tn, shrp, frsh Chert (~35% SH: AA, <10% SH in 4340' spl).

Pred LS: gy-bn, prt cm, dn Mdst & mx w/VPr- NVP, ~10% Cherty: ambr-tn-transl-gy, Pred shrp, VPr- NVP w/NS/NF.
LS: AA & Chert: sm blk-gy-bn, vit, shrp & lt gy & gn-gy, shrp- frsh.
Pred LS: gy-tn dn Mdst- mx, & Chert: AA, Sl incrs Chert circ.
LS: sm tn-wh, prt chlky, incrs SH: Incrs blk carb & sbcarb, sm blk vit Chert; sm LS: AA.
LS: (Incrs in 4370' spl) tn-gy-wh & blk, dn- mx, Rr chlky, <10% Chert, AA, Pred shrp Chert.

LS: AA, Sl Incrs in 20 min- cm-wh, prt chlky & Chert: AA & ambr- gn-gy, Sl Incrs blk SH in 20 min spl.

LS: cm-wh, chlky & silic & Cherty- grnlr, Pr- Fr IGr Por & Chert: bf-wh, wthr'd- Tripolc w/Fr- Gr Por, Sl- Fr SFO & Gs Conds, <5% w/FLR.

LS: gy-tn, dn-mx & silic, Cherty w/CHERT: cm-blu-gy & bf-tn, Pred shrp- frsh to Sl wthr'd, VRr wthr'd & Tripolc AA, Trc FLR, Trc SFO- GB, >99% barren w/NS, NF (spls ~50% SH: gy- blk, sm carb).

CHERT: lt gy & blu-gy & cm-bf & wh, Abndt lmy, argil, Sl wthr'd & semi granlr, sm shrp, opq, VRr mFrc & Edgs & wthr'd Edg's w/FLR, Trc SFO- GB; VRr semi Tripolc, sm LS: AA (~50% SH, AA).

LS: cm-gy-tn, Pred dn- mx, VChert, AA, sm silic, VPr Por.

4315' (-3069)
MISSISSIPPIAN

4371' (-3125)
MISS CHERT POR
{Sl- Fr SFO)
4377' (-3131)
B/MISS CHERT POR
{Trc SFO)

4420' (-3174)
RTD

VESS OIL CORP
NETAHLA 'C' #2
2310'FNL & 990'FWL
Sec. 5-34S-04W
SUMNER CO., KS
API: 14-191-22706

DST #1
MISS CHERT POR
4326'-4420'
30-45-45-60
1st Op: blt to 3.5" in 15 min, 6" in 30 min, No BB
2nd Op: blt to 7" in 45 min, No BB
Rec: 70' M
Tool Spl: 100% M
IHP: 2077
IFP: 20-31
ISIP: 32-45
FFP: 32-45
FSIP: 989

FHP: 2045
BHT: 133 F
WT 9.5, VIS 55
PV 15, YP 15
WL 9.6, pH 11.0
Cl 4000, LCM 5#
@ 4350'
SHS @ 4420'= 1 degree

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: netac2dst1

TIME ON: 22:53 PM
TIME OFF: 8:00 AM

Company Vess Oil Corporation
Lease & Well No. Netahla C #2

Company [illegible] Lease & Well No. Netahla C #2

Contractor Val #3 Charge to Vess Oil Corporation

Elevation Kb 1246 Formation Mississippi Effective Pay ____ Ft. Ticket No. K033

Date 09-19-13 Sec. 5 Twp. 34 S Range 4 W County Sumner State KANSAS

Test Approved By Roger Martin Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 4326 ft. to 4420 ft. Total Depth 4420 ft.

Packer Depth 4321 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4326 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4307 ft. Recorder Number 5513 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4417 ft. Recorder Number 13338 Cap. 4950 P.S.I.

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type Chemical Viscosity 55 Drill Collar Length 0 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 4000 P.P.M. Drill Pipe Length 4293 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 7 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out no Anchor Length 94 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 62' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: Fair Blow, Built to 6", No Blowback

2nd Open: Fair Blow, Built to 7", No Blowback

Recovered 70 ft. of Drilling Mud

Recovered 70 ft. of TOTAL FLUID

Recovered ____ ft. of ____

Recovered ____ ft. of TOOL SAMPLE: Drilling mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 2:12 AM A.M. P.M. Time Started Off Bottom 5:12 AM A.M. P.M. Maximum Temperature 133

Initial Hydrostatic Pressure ..... (A) 2077 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 20 P.S.I. to (C) 31 P.S.I.

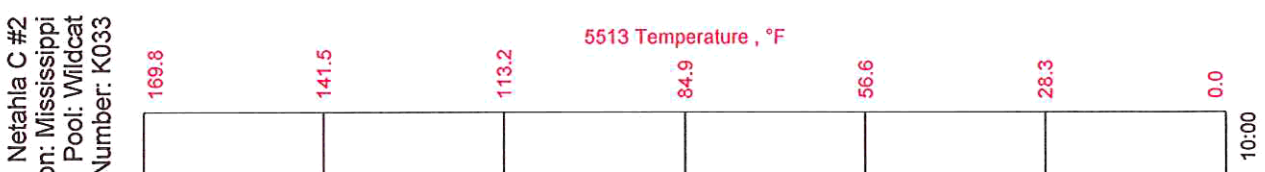
Initial Closed In Period ..... Minutes 45 (D) 1028 P.S.I.

Final Flow Period ..... Minutes 45 (E) 32 P.S.I. to (F) 45 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 989 P.S.I.

Final Hydrostatic Pressure ..... (H) 2045 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.

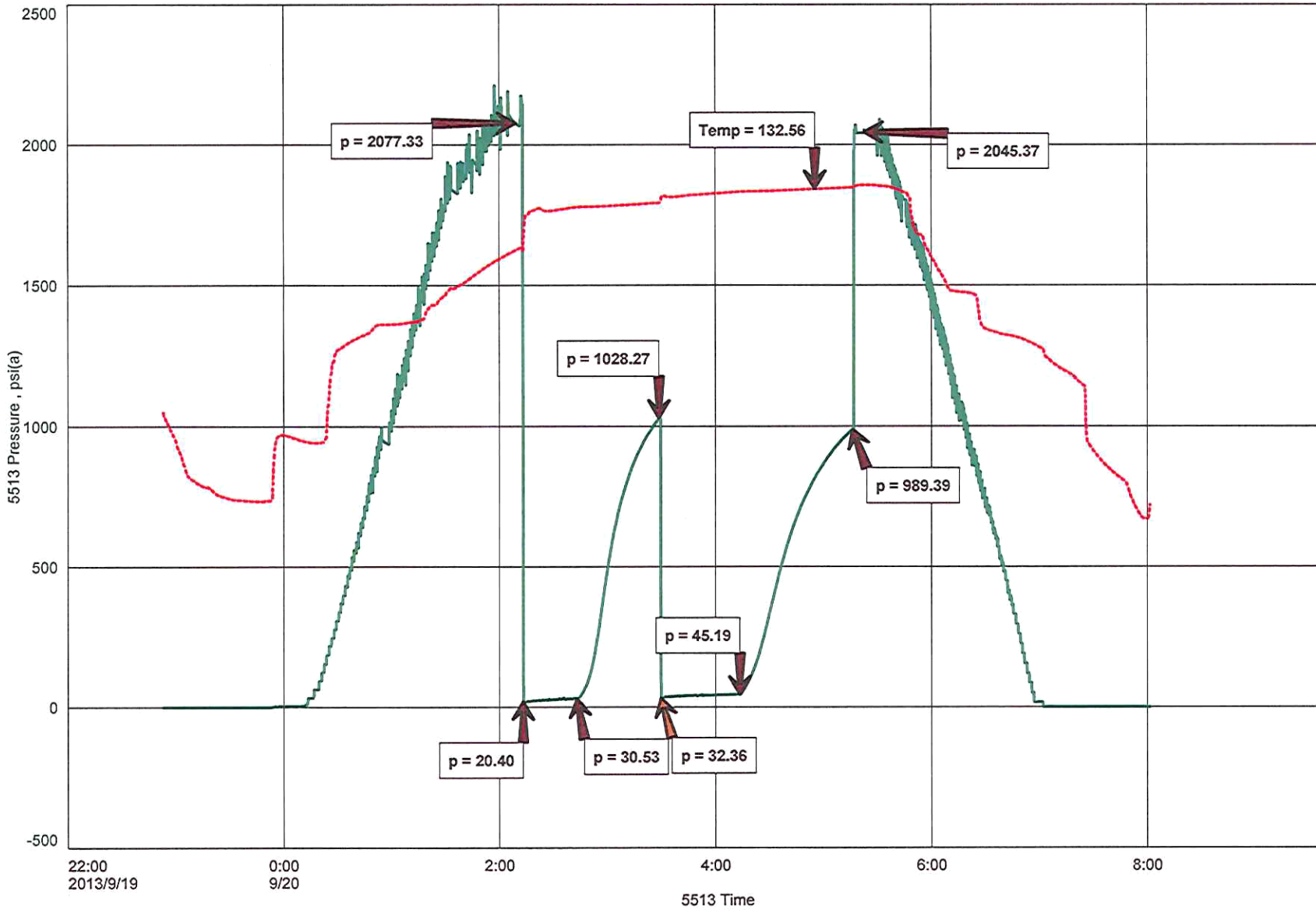


Vess Oil Corporation
DST 1 Miss 4326-4420
Start Test Date: 2013/09/19
Final Test Date: 2013/09/20

Formatic

Job N

Netahla C #2



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