ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION

LEASE PORTER D #93

FIELD EL DORADO

LOCATION 1500' FNL & 2573' FEL

SECTION 1 **TOWNSHIP** 26S **RANGE** 4E

COUNTY BUTLER **STATE** KANSAS

ELEVATIONS

KB 1412' **GL** 1406'

Measurements Are All From KB:1412'

API 15-015-24085-00-00

CONTRACTOR C & G DRILLING, RIG #1

SPUD 7/25/17 **COMP** 7/31/17

RTD 2435' (-1023) **LTD** NA

ELECTRICAL SURVEYS

NO OPEN HOLE E-LOGS

3 DST's by DIAMOND TESTING, LLC

CASING

SURFACE 8&5/8"@260'KB w/

150sx Class A 3%CaCl

PRODUCTION NONE

P&A

FORMATION TOPS	LOG	SAMPLES
HASKELL		1612' (-200)
IATAN		1643' (-231)
LANSING		1697' (-285)
BASE/LANSING		1850' (-438)
KANSAS CITY		1993' (-581)
STARK SH		2095' (-683)
B/KC		2149' (-737)
CHECKERBOARD		2225' (-813)
ALTAMONT		2258' (-846)
PAWNEE		2303' (-891)
CHEROKEE		2341' (-929)
ARDMORE		2396' (-984)
ARBUCKLE		2405' (-993)
TOTAL DEPTH (RTD)		2435' (-1023)

CHRONOLOGY

7/25/17; MIRU; Spud; Drld Kelly Dwn & Stop.

7/26/17; Continue Drlg @ 7:30am; Set 8&5/8"csg @ 260'KB w/150sx Class A, 3% CaCl; Plug Dwn@3:30pm; Cmt did circ; QES Ticket # 53452.

7/27/17; Drlg @ 650' (Drill out under surface @ 2:30am) Mud up @ 1700'

7/28/17; Drlg @ 1998' (Bit Trip @ 1956'; PDC out; Tri-cone button bit in) Drlg@2180' @ 4:20pm.

7/29/17; CFS@2405'; CFS@2410'&@2415'&@2420' Start Short Trip for DST#1{2338'--2420'} @ 12:30pm. After DST#1, Drill 10' more to 2430'.

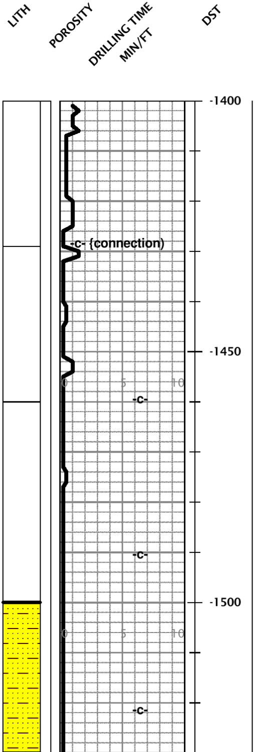
7/30/17; DST#2 {2420'--2430') Back to btm after DST#2 Drill 5' more to 2435'

7/31/17; DST#3 {2426'--2435'} pull test; brk dwn DST tools @ 10:00am; TIH; Decision to Plug & Abandon well:
35 sx @ Arbuckle @ 2405'
35 sx @ 50' below surf.csg @~310' & 60': circ 20sx; 20sx in RatHole; 110sx total; Ticket # 53343.

REMARKS: THROUGH ROTARY DRILLING SAMPLE ANALYSIS, AND OPEN HOLE DRILL STEM TEST RESULTS, IT WAS DETERMINED THAT THERE WERE NO ZONES OF COMMERCIAL VALUE IN THIS TEST WELL. THEREFORE, ON 07/31/2017, THE DECISION WAS MADE TO PLUG AND ABANDON THE PORTER D#93

RESPECTFULLY SUBMITTED,
ROGER L MARTIN, GEOLOGIST (WELL-SITE)

(LPT FILE 73" LONG)



SAMPLE DESCRIPTION

1460'spl} LS: cm-bf-tn, microXln (ux) to fnXln, w/ Rare (Rr) prt MdXln-VcrsXln- 2nd ReX; sm Pkst- fos, & sm wh-chlky & subchlky, pred pr-Fr Visbl Poro: pin point (pp) IGr & IXP w/ NS;
& SH: gy-bk, & sm bk carb- V.carb.

1491'spl} SH: gy-bk, & bk carb AA; & SILTS: gy, sm calc & sndy & micac; & sm SS: Sd Clusters: gy, Vfn-fn Gr'd, silty, micac w/ pred pr Visbl Poro w/ NS.

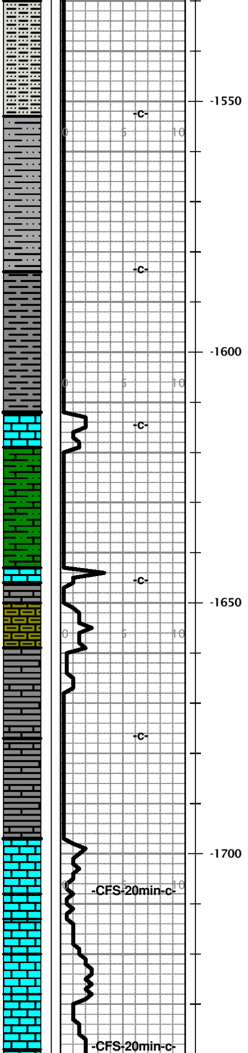
1522'spl} Sm LS: gy-tn, dn & argil Mdst & silty- Sndy w/ pr Poro- NVP; NS; Abndt dk gy-bk SH; sm SILTS: gy, Sndy, Vfn Gr'd & calc; Rr SS: Sd Clusters: gy, VfnGr'd, sm calc, micac, sm silty; V.rare (Vrr) fribl w/ Fr-Gd Poro; pred barren.

1553'spl} SS: V.Abndt (>80%) Sd Clusters: gy-bf, Vfn-fn Gr'd, Rnd'd to subanglr, pred silty argil & micac, pred V.well cmt'd w/ Vpr-pr Visbl Poro & pred barren; Rare(Rr) friabl w/ Fr-Gd Poro; pred barren; Vrr (~5%) w/ spt'd-subsat FLR & VLt O.STN & VSl-Sl SFO & VSl-Sl Cut, VSl Odor.

REMARKS

Drlg w/ PDC bit Kelly down (~31') wet samples & dry by RLM

{~5%VSl-SlSFO} (Very Slight to Slight Show Free Oil in ~5%)



1584'spl} ~40% Silty Sd Clusters: AA; pred barren; & SILTS: gy, Sndy, micac; & SH: gy-bk, micac.

1615'spl} Rr Sndy SILTS: AA; & Vrr Silty Sd Clusters: AA;

Pred SH: bk-dk-gy, subcarb.

1646'spl} Pred SH: bk subcarb & dk-gy, Vrr SILTS & Sd Clust:AA.

1612' (-200)
HASKELL

1646'spl.cont'd} Haskell} Rr LS: tn-gy-wh, pred dn Mdst-Wkst, sm fos-Pkst, pr-NVP; NS; (1677'spl} ~40%LS: cm-gy-tn, sm dn Mdst-Wkst, & ux-fnX, sm argil, Rr fos-Pkst; pred pr-NVP; NS.

1677'spl.cont'd} SH-SILTS: md-dk-gy, sm calc, micac.

1643' (-231)
IATAN

1677'spl.cont'd} Iatan} LS: AA & dk-gy-bn, ux & dn & argil; Vpr-NVP; NS; & SH: dk-gy.

1709'drlg.spl} Pred SH: dk-gy-bk, sm calc & Lmy; & sm bk carb;

1709'drlg.spl.cont'd} SH:AA; & Vrr LS: gy-tn, dn- mx, & argil-shly- Wkst-Pkst; & Trc LS: w/ Vpr-pr IXP & pp Poro w/ FLR & Trc SFO & O.STN & Cut;

1697' (-285)
LANSING

1708'+20min.circ.spl} LANSING} ~40% LS: gy-wh, sm Mdst-Wkst, & subchlky, & ux-fnXln;~5%<10% (Vrr) w/ pr-Fr IXP & pp Poro & 2nd ReX w/ FLR & Lt spt'd O.STN & VSl-Sl SFO & Cut, & Sl Odor; (~60%SH:AA).
1720'drlg.spl} LS:AA; incrs chlky & subchlky; Rr fn-MdXln w/Fr-Gd IXP & Vug Poro w/FLR &SlSFO &Cut, Sl Odor.

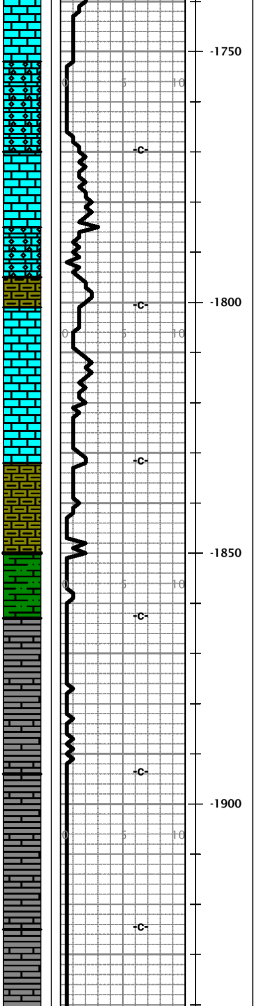
{~5%VSl-SlSFO)

{~5%VSl-SlSFO)

1730'&1739'drlg.spls} LS: cm-tn, gy-wh, sm ux-fnXln w/ Vrr (<5%) w/ pr-Fr IXP & Vug Poro w/ spt'd FLR & O.STN & VSlSFO & Cut, Fr Odor; Abndt dn to subchlky w/ Vpr-NVP & barren.

1739'circ.spl} LS: gy-wh, cm-tn, ux-fnXln, sm subchlky-chlky; & sm Pkst; >5%<10% w/ pr-Fr Poro; Vrr Gd Poro; IXP & pp & Vug & IGr.Poro w/ spt'd to sat Lt.O.STN & FLR & VSl-SlSFO & VSl-Sl Cut, Fr Odor.

{~5%VSl-SlSFO)



1770'spl} LS: wh-gy, cm-tn, prt chlky & subchlky, Abndt Mdst-Wkst; sm fos- Pkst; sm ux-fnXln; Vrr prt MdX- 2nd ReX; ~5% <10% w/pr-Fr Poro, & Vrr Gd Poro, w/ FLR & O.STN & VSl-SlSFO & Cut, Sl Odor.

{~5%VSI-SISFO)

1801'spl} LS: cm-tn, wh-gy, prt chlky & subchlky Wkst-Pkst; sm ux-fnXln, sm sucro-dolomic; & sm granlr- Pkst-Grst; Rr Fr-VGd Poro: IXP & IGr Poro & Vrr Vug & moldc Poro; ~5% w/ spt'd-subsat FLR & Lt.O.STN & VSl-SlSFO & Cut, VSl Odor.

{~5%VSI-SISFO)

{Trc SFO)

1832'spl} LS: Lt-dk-gy, ux- dn, sm prt chlky, & argil-Mdst-Wkst; Abndt dn to pr Visbl Poro; sm fos & ool- Pkst w/ pr-Fr Poro; Vrr Gd Poro; pred barren; Trc FLR & O.STN & Trc SFO & Cut; sm gy-bk SH.

1863'spl} V.Abndt LS: wh-gy, prt chlky, sm Wkst-Pkst; & microxln(ux) w/ pr Visbl Poro to NVP (Trc FLR-SFO-STN-Cut) Abndt dn to chlky w/ Vpr-NVP; sm argil; NS.

1894'spl} LS:AA & md-dk-gy, V.argil- silty & shly; Pred Vpr-NVP w/NS.

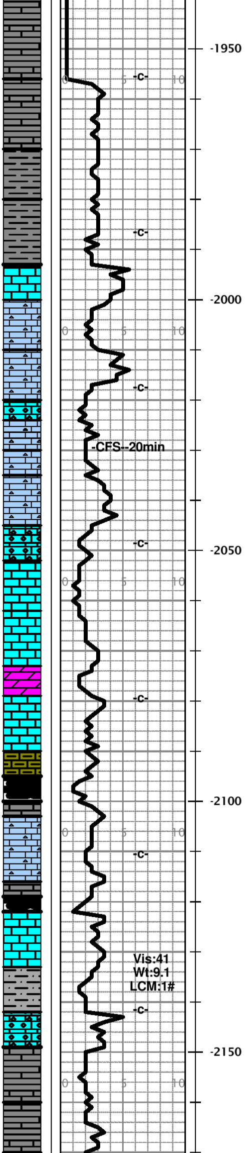
1850' (-438)
B/LANSING

1894'spl.cont'd} B/LANS} SH-SILTS: gy, sm calc & Lmy.

1925'spl} SH & Silty SH: md-dk-gy,k sm calc & micac.

1956'drlg.spl} SH: dk-md-gy, sm calc, sl micac.

1956'circ.spl} SH: gy, sm calc & Lmy, sm micac.



1970'&1980'spls} SH: dk-gy-bk, sm calc & sm pyrtc.

1990'spl} SH: gy, Rr pyrtc.

2000'spl} SH:AA; sm bk carb

2000'spl.cont'd} KC} Vrr (<10%) LS: gy-wh, & dk-gy & tn, sm mot- Wkst-Pkst; pred dn to Vpr Poro w/ NS.

2010'&2020'spls} LS: tn-gy-wh, sm mot- Pkst-Grst- ool & fos; & mx-fnXln; Cherty; pr-Fr Poro, & Vrr Gd Poro: IXP, I.ool & fos, I.Gr Poro; >10%<20% w/ spt'd- subsat FLR & O.STN & VSl SFO & Cut, Fr Odor; [abndt SH (~40%) in 2020'spl] & sm dn LS w/ Vpr-NVP.

2030'drlg&circ.&2040'spls} LS: cm-bf-tn, microxln(ux) & Rr fnXln, Vrr prt MdXln- sm 2nd ReX, sm u-sucro- sucro, & Vfnly granlr w/ pr-Fr Poro: IXP & IGr.Poro; Vrr Gd visbl Poro: IXP & vug & moldc Poro; ~25% w/ Poro & spt'd to sat Lt - rich tn-bn O.STN & brt FLR, & VSl-Sl SFO & Cut, Frly Strong Odor; V.Cherty: bf-tn-gy, opq & sharp; Sm wh-chlky & dn LS.

2050'spl} (Vrr LS:AA w/ Poro w/ FLR-SFO-STN-Cut) Pred LS: tn-gy-wh, ux-fnX, sm dn, sm chlky, pred Vpr Poro to NVP w/ NS; sl Cherty.

2060'spl} LS: gy-wh-tn, Abndt mot- ool & fos Pkst, Vrr profusely ool- Vrr Grst; sm pr-Fr I.Gr.Poro; Vrr Gd I.ool-I.Gr & IXP w/ subsat-sat O.STN & FLR & VSl-Sl SFO & Cut, Sl Odor; Sl Cherty.

2070'spl} LS: cm-bf-gy, ux to MdXln, Rr Crs-VCrs X's-2nd ReX; sm Fr-Gd Visbl IXP & aprnt Poro; <5% w/ FLR-SFO-STN & Cut (VSlSFO&Cut) Vsl Odor; Pred Barren (Fr spls).
2080'spl} LS: cm-tn, gy-wh, pred dn- ux-VfnX; & sm chlky; Pred Vpr-NVP w/ NS; (Trc LS:AA w/FLR-SFO-STN-Cut).

2090'&2100'spls} DOLO-DLS: bf-tn, ux-VfnXln, micro-sucro(u-sucro) & sucro w/ Fr-Gd uIX-IXP w/ NSFO & NC {No Cut}; (~30%SH in spls: gy-bk & gn-gy SH).

2100'&2110'spls} LS: gy-wh, cm-tn, ux-fnX, dn & subchlky to chlky, sm argil; pred pr Poro to NVP w/NS.

2110'spl.cont'd} STARK SH} V.Abndt (~80%) SH: pred bk carb- V.carb; & dk-gy-bk subcarb SH.

2120'spl} LS: bf-tn, gy-bn, dn- ux, Vrr u-IXP & u-Frac's w/ FLR-SFO-STN-Cut, Sl Odor.

2130'spl} LS: bf-tn, gy-bn, dn- ux, Vrr u-IXP & u-Frac's w/ FLR-SFO-STN-Cut, Sl Odor

2130'spl.cont'd} SH: incrs bk carb- V.carb.

2140'&2150'spls} LS: cm-tn, gy-wh, sm Wkst & mot-Pkst, prt chlky; & ux-fnXln, sm 2nd ReX; ~40% w/ spt'd-subsat FLR & O.STN & VSl SFO & Cut; Pred Vpr-pr visbl Poro: u-IXP & u-IGr.Poro; Vrr Fr-Gd visbl Poro; Abndt FLR & spt'd to sat Lt-tn O.STN & VSl SFO & Sl-Fr milky Cut, Fr Odor.
2150'spl.cont'd} LS: SH-SILTS: Lt-dk-gy, sm micac, & Vfnly Sndy.
2160'spl} dk-Lt-gy, & tn-wh, mot- Pkst- fos & ool, prt argil, prt chlky; Trc I.ool & I.fos & IGr Poro w/ spt'd FLR & O.STN & VSl SFO & Cut, Trc Odor; prt argil; pred pr-NVP & barren.

2170'spl} B/KC}~90% SH: bk & dk-gy, calc & micac & subcarb.

2180'spl} SH: dk-gy-bk, sm calc, sm micac, sm pyrtc.

<--Bit Trip@1956'
(PDC bit out &
Tri-cone button
bit in)
{10ft samples(spls)
wet (& dried by RLM)

1993' (-581)
KANSAS CITY
{<5%VSISFO)

{~15%VSI-SISFO)

{~25%VSI-SISFO)

{~5%VSI-SISFO)

{<5%VSI-SISFO)

2095' (-683)
STARK SH

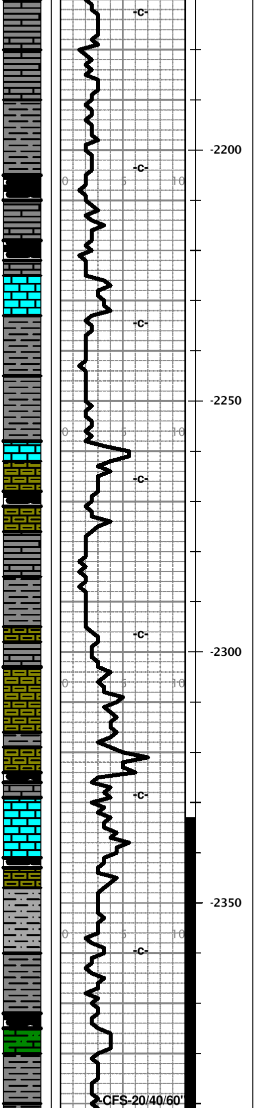
{<5%VSISFO)

{~40%VSISFO)

{Trc SFO)

2149' (-737)
B/KC

FUD MUD Report
07/28/17; 6:30am
Drlg @ 1988'
Wt: 8.9 Vis: 35
PV: 7 YP: 3
pH:10.5 WL:12.8
CT:1/32" Alka:0.65
Cl: 1,100 ppm
Ca: 30 ppm
Solids: 4.3%
LCM: 0 ECD: 9.63



2190'spl} SH: As Above (AA).

2200'spl} SH: AA; incrs bk subcarb, sm calc, sm pyrtc (incrs pyrt).

2210'spl} SH: dk-md-gy, micac, sl calc.

2220'spl} SH: AA; Sl incrs bk subcarb to carb.

2230'spl} ~80% SH: gy-bk, & gn-gy, & bk carb;

2230'spl.cont'd} CHECKERBOARD} sm LS: gy-tn, dn-ux, & Wkst-Pkst w/ Vpr-NVP; NS.
2240'spl} Abndt LS} Checkerboard} LS: dk-gy-tn, Rr Lt-gy-wh, pred dn hd, cryptox-fnX, dn & argil; Rr Wkst-Pkst; Vpr-NVP; NS.

2250'spl} SH: gn-gy & bk, sm bk carb.

2260'spl} SH (>95%) V.gated, violet-marn, & gn-gy; Rr pyrtc.

2270'spl} ~30% SH: AA;

2270'spl.cont'd} ALTAMONT} Abndt (~70%) LS: gy-tn-wh, pred dn hd Mdst, & cryptox-ux, sm chlky, sm Wkst & Rr Pkst; Vpr-NVP; NS.

2280'spl} sm LS:AA; pred dn & argil;
& SH:AA & bk carb; & LS: gy-tn dn Mdst.

2290'spl} SH: (V.Abndt) pred marn-rd & gn-gy SH; sm calc & Lmy.

2300'spl} SH: (V.Abndt) dk-Lt-gy & bk, sm bk carb SH.

2310'spl} SH: pred dk-gy-bk, & bk carb; sm Lmy & calc SH & argil dn LS.

2320'spl} PAWNEE} V.Abndt (~70%) LS: dk-Lt-gy & tn, prt wh, pred dn- Mdst- Rr Wkst, Rr chlky- subchlky, w/ Vpr-NVP; NS; sm argil & shly LS w/ NS.

2330'spl} LS: incrs dk-gy-bk, dn Mdst; & SH: bk carb & subcarb.

2340'spl} (>60%SH) SH: bk carb to V.carb, & subcarb sm calc.

2350'spl} V.Abndt LS: (~80%) gy-tn-wh, pred dn Mdst; & subchlky to chlky LS; Vpr-NVP; NS.

2360'spl} CHEROKEE} SH: md-dk-gy & bk; sm bk carb; LS: tn-gy, dn hd Mdst, sm argil & cryptox-dn.

2370'spl} SH-SILTS: md-dk-gy & gn-gy, sm micac.

2380'spl} SH: pred dk-gy to bk, sm carb.

2390'drlg.spl} SH:AA, sl incrs bk carb;
Abndt Silts: Lt-dk-gy, calc & V.calc & Lmy, & micac.

2390'circ.spls} Pred SH: dk-gy-bk, sm carb, & sm md-gy micac SH, sm pyrtc.

2225' (-813)
CHECKERBOARD

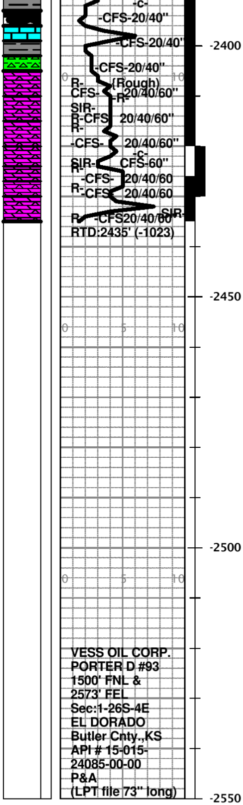
2258' (-846)
ALTAMONT

2303' (-891)
PAWNEE

2341' (-929)
CHEROKEE

FUD MUD Report
07/29/17; 6:45am
CFS @ 2405'
Wt: 9.1 Vis: 46
PV: 15 YP: 10
pH:9.5 WL:9.2
CT:1/32" Alk:0.20
Cl: 1,000 ppm
Ca: 15 ppm
Solids: 5.6%
LCM: 2 lb/gal
ECD: 9.63 lb/gal

DST#1; Arbuckle
Interval:2338'-2420'
Times:30-45-45-60"
IF: 1/4" blow; built to 2&3/4" in 30min.
ISI: No Blow Back
FF: No blow to Weak blow; built to ~2" in 45 min.
FSI: No BB.
Rec: 25' GIP
50' Clean Oil
33gravity@60deg.F
30' OCM
(15%Oil, 85%Mud)
80' Total Fluid
Tool Sample:
20%Oil, 80%Mud
IHP: 1104
IFP: 15--28
ISIP: 886
FFP: 32--45



RTD:2435' (-1023)

VESS OIL CORP.
PORTER D #93
1500' FNL &
2573' FEL
Sec:1-26S-4E
EL DORADO
Butler Cnty.,KS
API # 15-015-
24085-00-00
P&A
(LPT file 73" long)

2395'circ.spls} SH: md-dk-gy, & bk carb; sm pyrtc.
2400'drlg&circ.spls} ARDMORE} LS: tn-gy-wh, pred lithogr- cryptox-ux-dn & Mdst, V.Pyrtc.
2405'circ.spls} SH: gy-wh, waxy & pyrtc;
& Vrr ARB.CHERT w/ FLR-SFO-Cut, Odor.
{2410'circ.spls} ARBUCKLE} DOLO: gy-bf-tn, ux-MdXln, abndt dn to Vpr Visbl Poro; sm pyrtc; ~10% w/ Fr-Gd IXP & vug Poro w/FLR-SlSFO-STN&SlCut, Fr Odr, Sl Cherty.
{2415'&2420'circ.spls} DOLO: bf-tn-gy-bn, sm mot-granlr, ux-MdXln, pred dn to pr Poro; ~10% w/ Fr-Gd Vug & IXP & 2nd ReX w/ spt'd to sat FLR & O.STN {~40%} Sl-Fr SFO & Cut Fr Odor; Sl Cherty.
{2424'spls} DOLO: tn-gy-bn, fn-MdXln ~20%sucro w/ Fr-Gd Vug & IXP & 2nd ReX w/ FLR-STN-FrSFO&Cut, Trc Euhdral X's; Fr Odr; Cherty. (2427'&2430'spls} DOLO: cm-tn, ux-MdXln, Vrr CrsX's; pred dn; ~5%<10% w/Fr-Gd Vug&IXP w/spt'd-sat FLR&STN&Sl-FrSFO&Cut, FrOdor.
{2435'circ.spls} DOLO: cm-gy, bf-tn, V.Cherty; Pred ux-fnX & dn to pr Visbl IXP; ~20% ux-fnXln sucro w/Fr-Gd IXP & pp & Vug Poro w/ spt'd-sat FLR & O.STN & Fr-Gd SFO & Cut; ~30%Chert: sm w/ vug Poro & 2nd ReX w/ FLR & O.STN & SFO & Cut, Frly Strong Odor.

2396' (-984)
ARDMORE

2405' (-993)
ARBUCKLE{SlSFO)
{~10%SlSFO)

{~40%SlSFO)

{~20%FrSFO)

{~5%Sl-FrSFO)

{~20%Fr-GdSFO)
RTD:2435' (-1023)

DST#3; Arbuckle
Interval:2426'-2435'
Times:30-45-45-60"
IF:3" blow; built to strong blow; BOB in 1min & 15 sec.
ISI: No Blow Back
FF:1" blow; built BOB/ 1min+55sec
FSI: NoBB
Rec: 2' Clean Oil
18' OC&MCW
(12%Oil, 71%Wtr, 17%Mud)
403' SlOCMCW
(2%Oil, 78%Wtr, 20%Mud)
1353'VSlOCSlMCW
(1%Oil, 96%Wtr, 3%Mud)
1776' Total Fluid
Tool Sample:
16%Oil, 44%Wtr, 40%Mud
Cl of DST Wtr: 25,000 ppm
Rw:0.3@70deg.F.
IHP: 1147
IFP: 61--484
ISIP: 939
FFP: 492--800
FSIP: 940
FHP: 1134
Temp:104 deg.F

FSIP: 886
FHP: 1076
Temp: 106 deg.F

DST#2; Arbuckle
Interval:2420'-2430'
Times:30-45-45-60"
IF: Weak Surface Blow; died /11min.
ISI: NoBB.
FF: No Blow
FSI: NoBB
Rec: 10' VSlOCM
(3%Oil, 97%Mud)
10' Total Fluid
Tool Sample:
3%Oil, 97%Mud)
IHP: 1156
IFP: 13--15
ISIP: 891
FFP: 16--19
FSIP: 900
IHP: 1138
Temp:104 deg.F

FUD MUD Report
07/30/17; 5:30am
CFS @ 2420'
Wt: 9.0   Vis: 48
PV: 16   YP: 11
pH:9.5   WL:8.4
CT:1/32" Alk:0.20
Cl: 1,000 ppm
Ca: 20 ppm
Solids: 4.9%
LCM: 2 lb/gal
ECD: 9.57 lb/gal

FUD MUD Report
07/31/17; 5:35am
DST #3
Wt: 9.1   Vis: 49
PV: 16   YP: 10
pH:9.5   WL:7.6
CT:1/32" Alk:0.25
Cl: 1,300 ppm
Ca: 25 ppm
Solids: 5.6%
LCM: 4 lb/gal
ECD: 9.68 lb/gal

VESS OIL CORP.
PORTER D#93
Sec: 1-26S-04E
EL DORADO
BUTLER, KS

API # 15-015-24085-00-00   P&A

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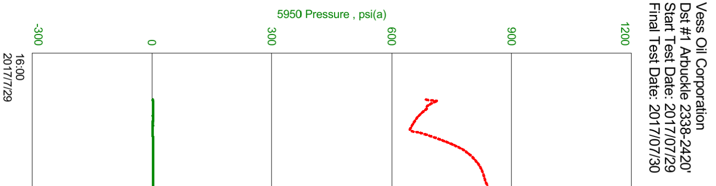
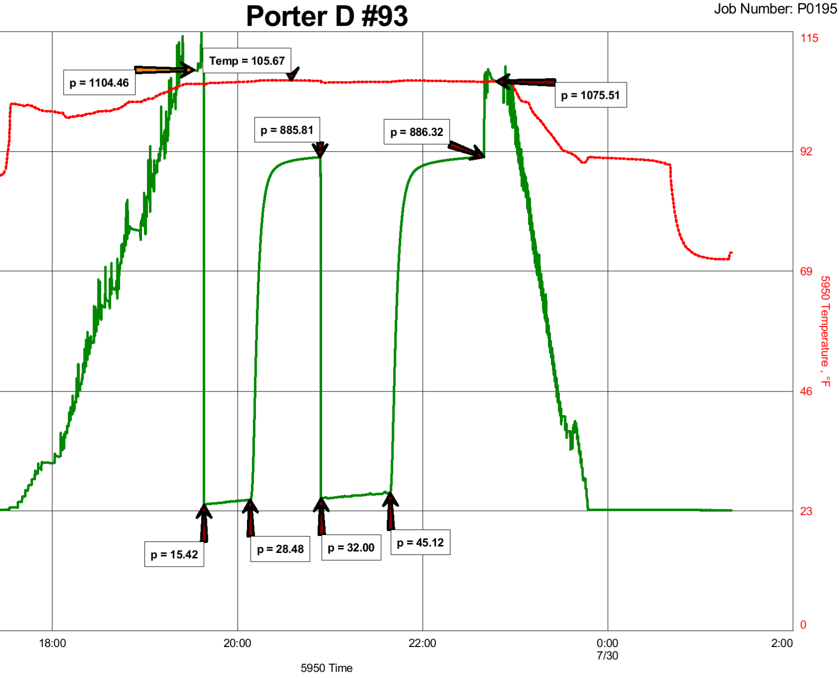


Vess Oil Corporation
Dst #1 Arbuckle 2338-2420'
Start Test Date: 2017/07/29
Final Test Date: 2017/07/30

Porter D #93
Formation: Dst #1 Arbuckle 2338-2420'
Pool: Infield
Job Number: P0195

Porter D #93



Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

DIAMOND TESTING LLC

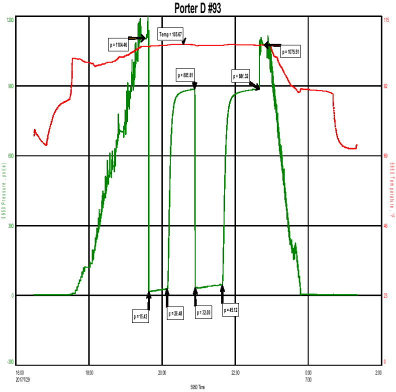
Fast

ERD#93DST#1.fkt 30-Jul-17 Ver

General Information

Company Name Vess Oil Corporation

Contact	Casey Coats
Well Name	Porter D #93
Unique Well ID	Dst #1 Arbuckle 2338-2420'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #1 Arbuckle 2338-2420'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/29
Start Test Time	16:30:00
Final Test Time	01:20:00
Job Number	P0195
Report Date	2017/07/29
Prepared By	Michael Carroll



TEST RECOVERY

Remarks **Recovery:**	25'	Gas In Pipe	
	50'	Clean Oil Gravity 33 @ 60 Degrees	
	30'	OCM 15%O	85%M
Total Fluid:	80'		
Tool Sample:	20%O	80%M	

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

DRILL-STEM TEST TICKET
FILE: PORTERD#93DST#1

TIME ON: 1630 7-29
TIME OFF: 0120 7-30

Company VESS OIL CORPORATION Lease & Well No. PORTER D #93
Contractor C&G RIG 1 Charge to VESS OIL CORPORATION
Elevation 1412KB Formation ARBUCKLE Effective Pay ______ Ft. Ticket No. P0195
Date 07-29-17 Sec. 1 Twp. 26 S Range 4E W County BUTLER State KANSAS
Test Approved By ROGER MARTIN Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 2338 ft. to 2420 ft. Total Depth 2420 ft.
Packer Depth 2333 ft. Size 6 3/4 in. Packer depth ______ ft. Size 6 3/4 in.

Packer Depth 2338 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2323 ft. Recorder Number 5950 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 2406 ft. Recorder Number 5588 Cap. 6000 P.S.I.

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

Mud Type Chem Viscosity 46 Drill Collar Length 237 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1000 P.P.M. Drill Pipe Length 2068 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 82(20A) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 4"FH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

---

Blow: 1st Open: 1/4"BLOW-BUILT TO 2 3/4" IN 30 MINUTES NOBB

2nd Open: NO BLOW-BUILT TO 2" IN 45 MINUTES NOBB

Recovered 25 ft. of GAS IN PIPE

Recovered 50 ft. of CLEAN OIL GRAVITY 33 @ 60 DEGREES

Recovered 30 ft. of OCM 15%O 85%M

Recovered 80 ft. of TOTAL FLUID

Recovered ft. of

Recovered ft. of

Remarks: TOOL SAMPLE: 20%O 80%M

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 7:35P.M. A.M. P.M. Time Started Off Bottom 10:35P.M. A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure.. (A) 1104 P.S.I.

Initial Flow Period.. Minutes 30 (B) 15 P.S.I. to (C) 28 P.S.I.

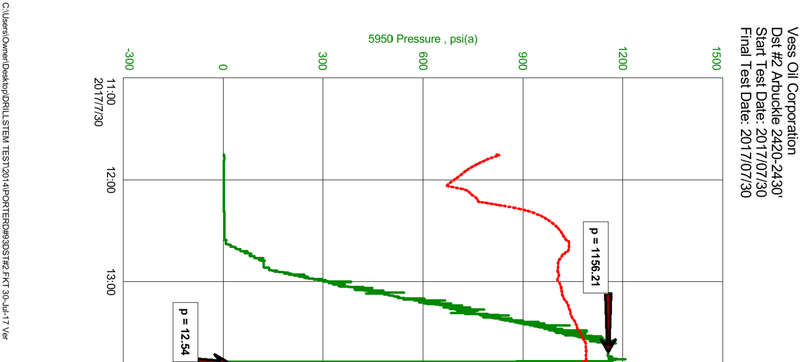
Initial Closed In Period.................................. Minutes 45 (D) 886 P.S.I.

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

Final Closed In Period...................................Minutes 60 (G) 886 P.S.I.

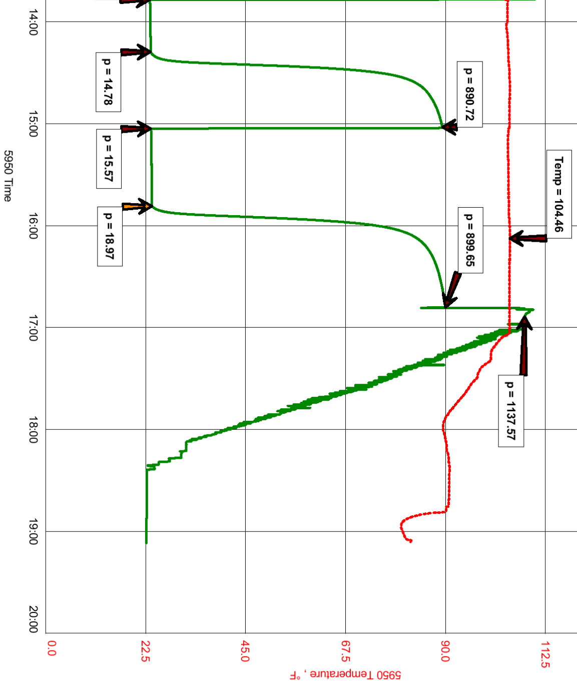
Final Hydrostatic Pressure.. (H) 1076 P.S.I.

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.



Porter D #93

Porter D #93
Formation: Dst #2 Arbuckle 2420-2430'
Pool: Infield
Job Number: P0196

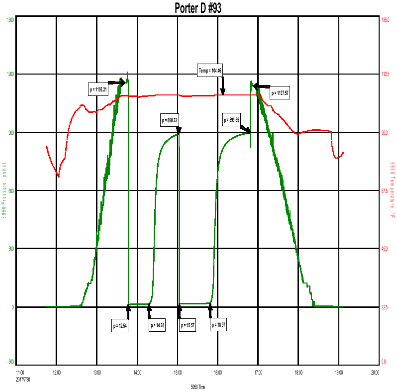


Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

Hoisington, Kansas

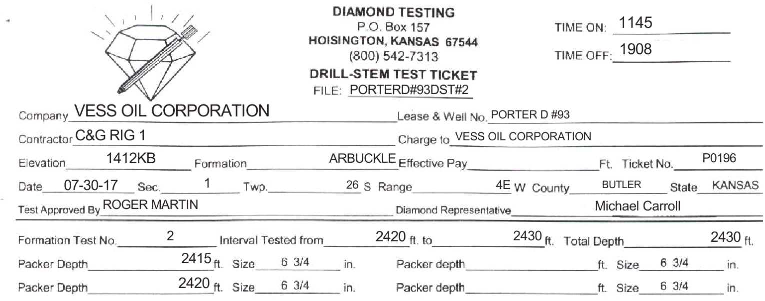
General Information

Company Name	Vess Oil Corporation
Contact	Casey Coats
Well Name	Porter D #93
Unique Well ID	Dst #2 Arbuckle 2420-2430'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #2 Arbuckle 2420-2430'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/07/30
Start Test Time	11:45:00
Final Test Time	19:08:00
Job Number	P0196
Report Date	2017/07/30
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	**Recovery:**	**10'**	**VSLOCM**	**3%O**	**97%M**
	Total Fluid:	**10'**			
	Tool Sample:	**3%O**	**97%M**		



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: PORTERD#93DST#2

TIME ON: 1145
TIME OFF: 1908

Company VESS OIL CORPORATION
Lease & Well No. PORTER D #93
Contractor C&G RIG 1
Charge to VESS OIL CORPORATION
Elevation 1412KB
Formation ARBUCKLE
Effective Pay ______ Ft.
Ticket No. P0196
Date 07-30-17 Sec. 1 Twp. 26 S Range 4E W County BUTLER State KANSAS
Test Approved By ROGER MARTIN
Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 2420 ft. to 2430 ft. Total Depth 2430 ft.
Packer Depth 2415 ft. Size 6 3/4 in. Packer depth ______ ft. Size 6 3/4 in.
Packer Depth 2420 ft. Size 6 3/4 in. Packer depth ______ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2405 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 2421 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type Chem Viscosity 48 Drill Collar Length 237 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1000 P.P.M. Drill Pipe Length 2150 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 10 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 4"FH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WSB-DIED IN 11 MINUTES NOBB
2nd Open: NO BLOW-NO BUILD NOBB

Recovered 10 ft. of VSLOCM 3%OIL 97%MUD
Recovered 10 ft. of TOTAL FLUID
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks: TOOL SAMPLE: 3%OIL 97%MUD

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 1:45P.M. A.M. P.M. Time Started Off Bottom 4:45P.M. A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure (A) 1156 P.S.I.
Initial Flow Period Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period Minutes 45 (D) 891 P.S.I.
Final Flow Period Minutes 45 (E) 16 P.S.I. to (F) 19 P.S.I.
Final Closed In Period Minutes 60 (G) 900 P.S.I.
Final Hydrostatic Pressure (H) 1138 P.S.I.

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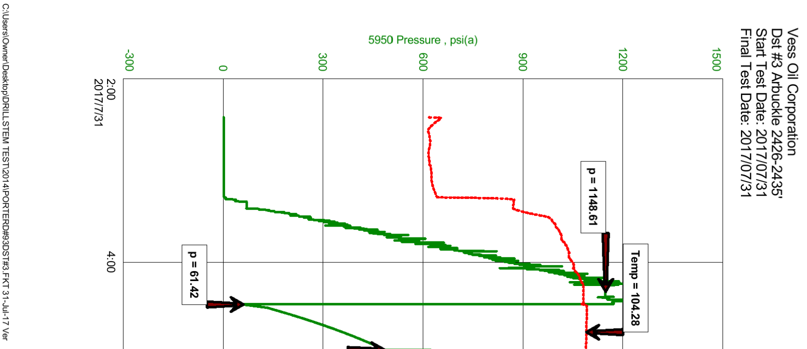
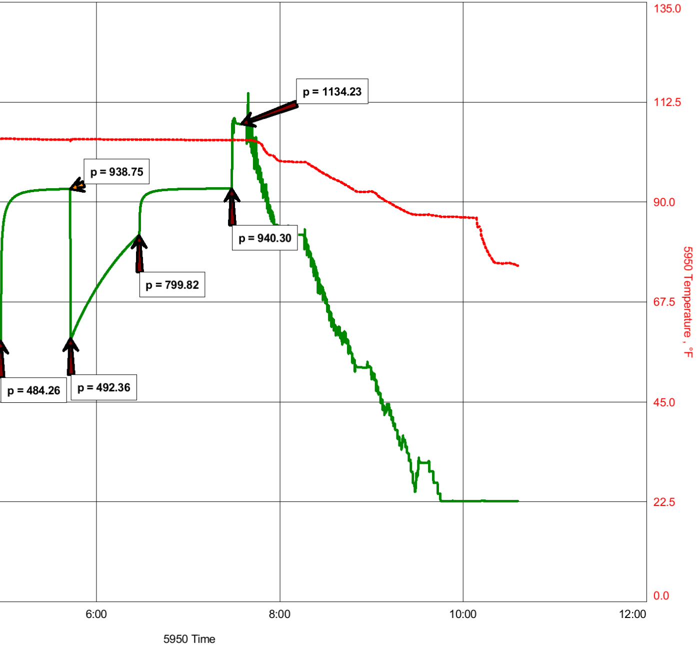


Porter D #93
Formation: Dst #3 Arbuckle 2426-2435'
Pool: Infield
Job Number: P0197

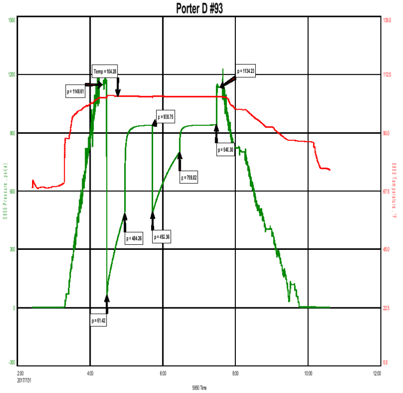
Porter D #93



Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

General Information

Company Name	Vess Oil Corporation
Contact	Casey Coats
Well Name	Porter D #93
Unique Well ID	Dst #3 Arbuckle 2426-2435'
Surface Location	Sec 1-26s-4e Butler County
Field	El Dorado
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Vess Oil Corporation
Formation	Dst #3 Arbuckle 2426-2435'
Well Fluid Type	06 Water
Test Purpose	Initial Test
Start Test Date	2017/07/31
Start Test Time	02:25:00
Final Test Time	10:37:00
Job Number	P0197
Report Date	2017/07/31
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	**Recovery:**	**2'**	**Clean Oil**			
		18'	**OCMCW**	**12%O**	**71%W**	**17%M**
		403'	**SLOCMCW**	**2%O**	**78%W**	**20%M**
		1353'	**VSLOCSLMCW**	**1%O**	**96%W**	**3%M**
	Total Fluid:	**1776'**				
	Tool Sample:	**16%O**	**44%W**	**40%M**		

Chlorides 25000 PPM
RW .3 @ 70 Degrees
PH 7

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

DRILL-STEM TEST TICKET
FILE: PORTERD#93DST#3

TIME ON: 0225
TIME OFF: 1037

Company VESS OIL CORPORATION Lease & Well No. PORTER D #93
Contractor C&G RIG 1 Charge to VESS OIL CORPORATION
Elevation 1412KB Formation ARBUCKLE Effective Pay ____ Ft. Ticket No. P0197
Date 07-31-17 Sec. 1 Twp. 26 S Range 4E W County BUTLER State KANSAS
Test Approved By ROGER MARTIN Diamond Representative Michael Carroll
Formation Test No. 3 Interval Tested from 2426 ft. to 2435 ft. Total Depth 2435 ft.
Packer Depth 2421 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 2426 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2411 ft. Recorder Number 5950 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 2427 ft. Recorder Number 5588 Cap. 6000 P.S.I.

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

Mud Type Chem Viscosity 48 Drill Collar Length 237 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1000 P.P.M. Drill Pipe Length 2156 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 9 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 4"FH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 3"BLOW-BUILT TO BOB IN 1 MINUTE 15 SECONDS NOBB

2nd Open: 1"BLOW-BUILT TO BOB IN 1 MINUTE 55 SECONDS NOBB

Recovered 2 ft. of CLEAN OIL CHLORIDES 25000 PPM

Recovered 18 ft. of OCMCW 12%O 71%W 17%M RW .3 @ 70 DEGREES

Recovered 403 ft. of SLOCMCW 2%O 78%W 20%M PH 7

Recovered 1353 ft. of VSLOCSLMCW 1%O 96%W 3%M

Recovered 1776 ft. of TOTAL FLUID

Recovered ft. of

Remarks: TOOL SAMPLE: 16%O 44%W 40%M

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 4:25A.M. A.M. P.M. Time Started Off Bottom 7:25A.M. A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure (A) 1147 P.S.I.

Initial Flow Period Minutes 30 (B) 61 P.S.I. to (C) 484 P.S.I.

Initial Closed In Period Minutes 45 (D) 939 P.S.I.

Final Flow Period Minutes 45 (E) 492 P.S.I. to (F) 800 P.S.I.

Final Closed In Period Minutes 60 (G) 940 P.S.I.

Final Hydrostatic Pressure (H) 1134 P.S.I.

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