



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172708
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1172708

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

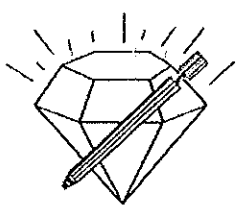
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	Wilson A 449
Doc ID	1172708

All Electric Logs Run

Dual Induction
Density Neutron
Micro Log
GR N CCL



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 wilson449dst1

Company Vess Oil Corporation Lease & Well No. Wilson "A" No. 449
 Elevation 1369 KB Formation Viola Effective Pay _____ Ft. Ticket No. K052
 Date 11-2-13 Sec. 9 Twp. 25S Range 5E County Butler State Kansas
 Test Approved By Roger L. Martin Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 2,335 ft. to 2,443 ft. Total Depth 2,443 ft.
 Packer Depth 2,330 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2,335 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,316 ft. Recorder Number 5513 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 2,440 ft. Recorder Number 13306 Cap. 4,925 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 177 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 49 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.3 Water Loss 9.4 cc. Drill Pipe Length 2,125 ft I.D. 3 in.
 Chlorides 900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 7 Anchor Length 46' perf. w/62' drill pipe Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4-FH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 1 min. No blow back during shut-in.
 2nd Open: Strong blow increasing. Off bottom of bucket in 4 mins. No blow back during shut-in.

Recovered 279 ft. of very slightly oil cut watery mud = 3.024360 bbls. (Grind out: 3%-oil; 10%-water; 87%-mud)
 Recovered 558 ft. of oil cut watery mud = 6.048720 bbls. (Grind out: 15%-oil; 24%-water; 61%-mud)
 Recovered 279 ft. of slightly oil cut watery mud = 1.976520 bbls. (Grind out: 10%-oil; 40%-water; 50%-mud) Chlorides: 17,000 Ppm PH: 7.0 RW: .825 @ 58°
 Recovered 1,116 ft. of TOTAL FLUID = 11.049600 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: Muddy water w/oil scum

Time Set Packer(s) 2:54 P.M. Time Started off Bottom 5:54 P.M. Maximum Temperature 106°
 Initial Hydrostatic Pressure.....(A) 1132 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 50 P.S.I. to (C) 462 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 523 P.S.I.
 Final Flow Period.....Minutes 45 (E) 461 P.S.I. to (F) 524 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 524 P.S.I.
 Final Hydrostatic Pressure.....(H) 1101 P.S.I.

**JASON MCLEMORE**

CELL # 620-617-0527

General Information

Company Name	Vess Oil Corporation	Job Number	K052
Contact		Representative	Jason McLemore
Well Name	Wilson A #449	Well Operator	Vess Oil Corporation
Unique Well ID	DST #1 Viola 2335-2443	Prepared By	Jason McLemore
Surface Location	9-25s-5e-Butler	Qualified By	Roger Martin
Field		Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Viola	Well Operator	Vess Oil Corporation
Well Fluid Type	01 Oil	Report Date	2013/11/02
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2013/11/02	Start Test Time	12:45:00
Final Test Date	2013/11/02	Final Test Time	21:43:00

Test Results**RECOVERED:**

279 VSOCWM: 3%Oil, 10%Wtr, 87%Mud
558 OCWM: 15%Oil, 24%Wtr, 61%Mud
279 SOCWM: 10%Oil, 40%W, 50%M
1116 Total Fluid

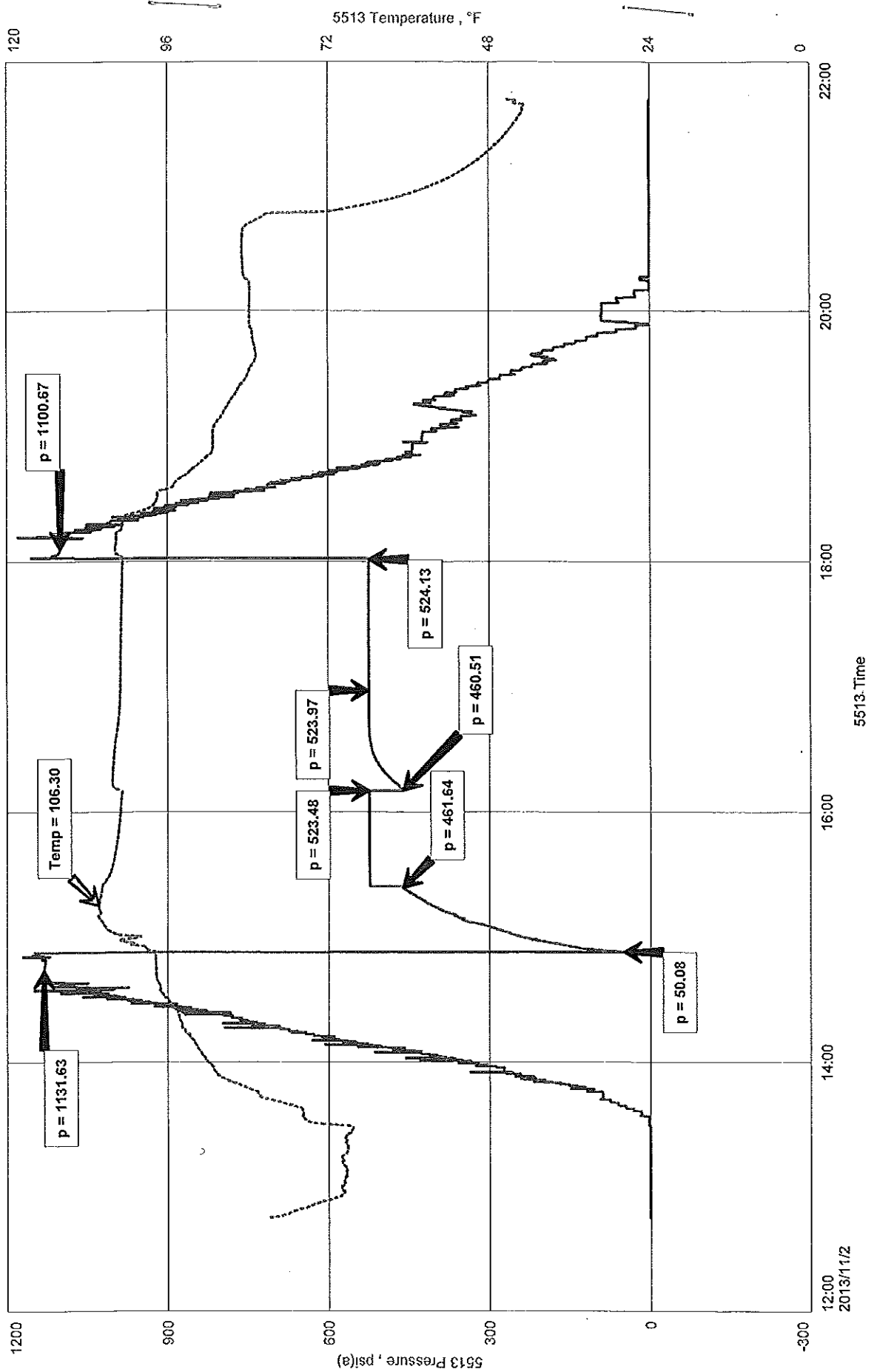
CHLORIDES: 17,000 Ppm
PH: 7
RW: .825 @ 58

Tool Sample: Muddy Water W/Oil Scum

Vess Oil Corporation
DST #1 Viola 2335-2443
Start Test Date: 2013/11/02
Final Test Date: 2013/11/02

Wilson A #449
Formation: Viola
Job Number: K052

Wilson A #449



ATTACHMENT TO ACO-1

WILSON A-449 – API #15-015-24001-0000
 950'FNL, 1265'FWL
 Sec. 9-25S-05E
 Butler County, KS

	<u>LOG</u>	<u>SAMPLE</u>
Burlingame	825 +544	
White Cloud Lm	916 +453	900 +469
White Cloud Sd	929 +440	913 +456 sli to fair
Topeka	1078 +291	show
Oread	1384 -15	1382 -13
Heebner	1422 -53	1420 -51
Douglas	1450 -81	1447 -78
Douglas Sand	1504 -135	
Lansing	1693 -324	1691 -322
Lansing Base	1840 -471	
Kansas City	1978 -609	1977 -608
Stark	2079 -710	2076 -707
B/KC	2134 -765	2134 -765
Checkerboard	2213 -844	2213 -844
Altamont	2258 -889	2257 -888
Pawnee	2295 -926	
Cherokee	2336 -967	2337 -968
Ardmore Lm	2395 -1026	2394 -1025
Viola	2441 -1072	2441 -1072 SO
PTD	2443 -1074	2443 -1074

DST #1 2335-2443 Zone: Viola(2441-43)

Times: 30-45-45-60

1st open: Strong, Btm of Bkt in 1 min, 12 sec No BB

2nd open Strong, Btm of Bkt in 4 min, Weaker at end. No BB

Rec.: 1116' TF: 279' VSOCWM(3-O,10-W,87-M), 558' OCMW
 (15-O, 24-W, 61-M), 279' SOCMW(10-O, 40-W
 50-M) Chlorides=17000

Tool Sample: Muddy water, Oil scum

IHP: 1132

FHP: 1101

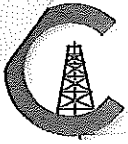
IFP: 50-462

FFP: 461-524

ISIP 523

FSIP: 524

Temp: 106



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

NOV 9 4 2013

INVOICE

Invoice # 263599

Invoice Date: 10/31/2013 Terms: 0/0/30,n/30 Page 1

VESS OIL CORPORATION
1700 WATER FRONT PKWAY BLD 500
WICHITA KS 67206
(316) 682-1537

WILSON A 449
43710
9-25-05
10-29-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	150.00	15.7000	2355.00
1102	CALCIUM CHLORIDE (50#)	360.00	.7800	280.80
1118B	PREMIUM GEL / BENTONITE	300.00	.2200	66.00
1107	FLO-SEAL (25#)	75.00	2.4700	185.25

Description	Hours	Unit Price	Total
603 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
603 EQUIPMENT MILEAGE (ONE WAY)	6.00	4.20	25.20
681 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 2887.05 Freight: .00 Tax: 184.77 AR 4335.02
 Labor: .00 Misc: .00 Total: 4335.02
 Subt: .00 Supplies: .00 Change: .00

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

NOV 14 2013

INVOICE

Invoice # 263782

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Invoice Date: 11/12/2013 Terms: 0/0/30,n/30 Page 1

VESS OIL CORPORATION
1700 WATER FRONT PKWAY BLD 500
WICHITA KS 67206
(316) 682-1537

WILSON #449
43181
9-25S-5E
11-03-2013
KS

Part Number	Description	Qty	Unit Price	Total
1126A	THICK SET CEMENT	125.00	20.1600	2520.00
1110A	KOL SEAL (50# BAG)	625.00	.4600	287.50
1144G	MUD FLUSH (SALE)	500.00	1.1000	550.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	361.0000	361.00
4454	5 1/2" LATCH DOWN PLUG	1.00	266.7500	266.75
4104	CEMENT BASKET 5 1/2"	1.00	240.0000	240.00
4130	CENTRALIZER 5 1/2"	5.00	50.5000	252.50
4310	5 1/2" ROTATING HEAD REN	1.00	215.0000	215.00

Description	Hours	Unit Price	Total
446 CEMENT PUMP	1.00	1085.00	1085.00
446 EQUIPMENT MILEAGE (ONE WAY)	7.00	.00	.00
502 MIN. BULK DELIVERY	1.00	368.00	368.00

=====
Parts: 4692.75 Freight: .00 Tax: 300.33 AR 6446.08
Labor: .00 Misc: .00 Total: 6446.08
Sublt: .00 Supplies: .00 Change: .00
=====

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

263782

TICKET NUMBER 43181
LOCATION 180
FOREMAN L. BARKSTROM

FIELD TICKET & TREATMENT REPORT

CEMENT API-15-015-24001

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-3-13	8511	W28300 # 449	9	255	2E	Butler
CUSTOMER Vess Oil Corp			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 1700 Waterfront Pkwy Bld 500			446	Tush		
CITY Wichita			501	Travis		
STATE KS			725	Larry		
ZIP CODE 67206						

JOB TYPE Prod B HOLE SIZE 1 7/8 HOLE DEPTH 2443 CASING SIZE & WEIGHT 5 1/2 15 1/2 lb
 CASING DEPTH 2442 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.0 SLURRY VOL 40.25 WATER gal/sk 6.5 CEMENT LEFT in CASING 30 ft Shoe H.
 DISPLACEMENT 57.52 DISPLACEMENT PSI 790 MIX PSI 0 RATE 5 1/2 bbls

REMARKS: Broke Circulation - Pump 5 bbls Freshwater - 500 gals Mud Flush + 5 bbls Freshwater - MWD 125' sks Thick set + 5 lbs Kol Seal - Flashed Pump & Pipes - MWD placed plug with 52% bbls water followed plug at 250 lbs - Retrieved Most H. Prod.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	7	MILEAGE	4.50	31.50
1126A	125	skts Thick set	20.16	2520.00
1110 A	625	lbs Kol Seal	.46	287.50
1144 B	500	gals Mud Flush	1.10	550.00
5407	1	MWD Bulk	368.00	368.00
4159	1	5 1/2 API (B) Shoe	361.00	361.00
4154	1	5 1/2 Later down Plug	266.75	266.75
4104	1	5 1/2 Cement Basket	240.00	240.00
4130	3	5 1/2 Cent.	50.50	151.50
	1	5 1/2 Hot Air ahead Rental	215.00	215.00
		S. Barkstrom		6145.75
		Co. #	SALES TAX	300.33
			ESTIMATED TOTAL	6446.08

AUTHORIZATION Cassy Gento TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY VESS OIL CORPORATION
 LEASE WILSON 'A' #449
 FIELD EL DORADO
 LOCATION 950' FNL & 1265' FWL (NE-SE-NW-NW/4)
 SECTION 9 TOWNSHIP 25S RANGE 5E
 COUNTY BUTLER STATE KANSAS

ELEVATIONS

KB 1369' GL 1363'

Measurements Are All

From KB:1369'

API 15-015-24001-00-00

CONTRACTOR C&G Drilling, Rig # 1
 SPUD 10/28/2013 COMP 11/03/2013
 RTD 2443' (-1074) LTD 2443' (-1074)
ELECTRICAL SURVEYS
Pioneer Energy Services: DIL,
CNL/CDL, MEL

CASING

SURFACE 6 jts 8-5/8" 23#/ft

set @ 261' KB w/150 sx Class A

PRODUCTION 56 jts 5-1/2" 15.5#/ft

set @ 2442' w/125 sx Thickset

FORMATION TOPS

LOG

SAMPLES

CHRONOLOGY

Admire 550'	NP	NP
Admire 650'	NP	NP
Burlingame	825' (+544)	825' (+544)
White Cloud Lm	916' (+453)	900' (+469)
White Cloud Sd	929' (+440)	913' (+456)
Topeka	1078' (+291)	
Oread	1384' (-15)	1382' (-13)
Heebner	1422' (-53)	1420' (-51)
Douglas	1450' (-81)	1447' (-78)
Douglas Sd	1504' (-135)	
Lansing	1693' (-324)	1691' (-322)
B/Lansing	1840' (-471)	1840' (-471)
Kansas City	1978' (-609)	1977' (-608)
Stark	2079' (-710)	2076' (-707)
B/Kansas City	2134' (-765)	2134' (-765)
Checkerboard	2213' (-844)	2213' (-844)
Hepler Sd	NP	NP
Altamont	2258' (-889)	2257' (-888)
Pawnee	2295' (-926)	
Cherokee	2336' (-967)	2337' (-968)
Ardmore	2395' (-1026)	2394' (-1025)
Viola	2441' (-1072)	2441' (-1072)
RTD/LTD	2443' (-1074)	2443' (-1074)

10/28/2013- MIRU C&G Drilling, Rig #1. Drill rathole @ 1 PM. SPUD 12-1/4" hole @ 2:30 PM.
 TD 12-1/4" hole @ 262'. Run 6 jts 8-5/8" 23#/ft csg= 253'; Set @ 261' KB; Consolidated Cement w/150 sx Class A. 3% cc. circ. good cement. Plug down @ 3:00 AM 10/29/2013.
 10/29/2013- WOC, Drill out @ 11:00 AM. Drilling w/PDC bit.
 10/30/2013- Drlg @ 1955'. Mudded up @ 1500'. MW 9.2, Vis 36. LCM 3#. Bit trip @ 2079'.
 10/31/2013- DTD 2079'. Rig repair- mud pump clutch has bearings out.
 11/01/2013- Drlg @ 2250'. MW 9.3, VIS 40, LCM 3#. Short trip after Ardmore.
 11/02/2013- Circ @ 2438'. MW 9.3, VIS 49, LCM 2.5#. Run open hole logs
 11/03/2013- RTD 2443'. Finish logs. 7:30 AM- Start casing job.
 Ran 5-1/2" casing to 1' above TD.
 Casing tally matches RTD. CASING JOB: Ran 56 jts of 5-1/2" 15.5#, J-55 LT&C Csg, Tally= 2446.17' plus float shoe = 1.00'. Total = 2447.17', tagged TD @ 2443', set @ 2442'. Put on 5 centralizers & 1 basket. Consolidated Services pump 500 gal mud flush. Cemented w/125 sx Thickset cement. Caught pressure @ 30 bbl. Good circ of mud. Lift pressure to 700#. Rotated casing. Land plug @ 1200# @ 10:30 AM 11/03/2013. Release. It held. Set slips & cut off casing.

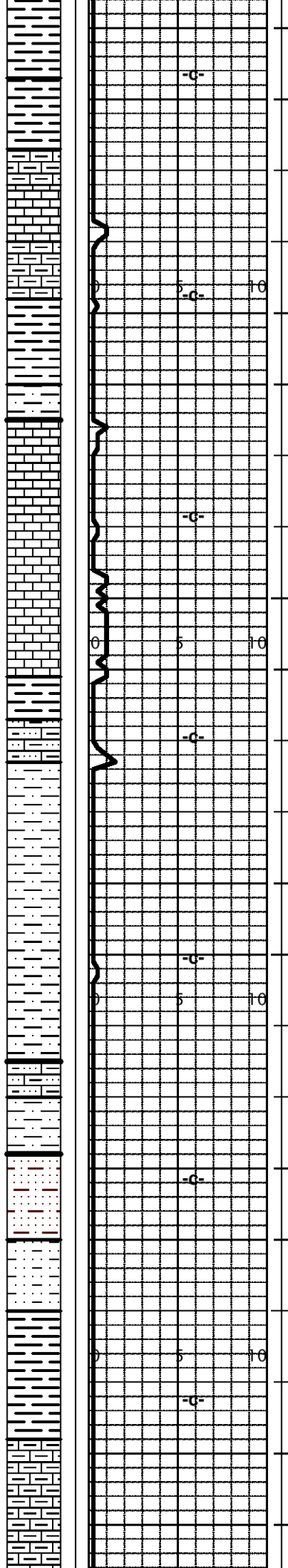
REMARKS:

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

LITH POROSITY DRILLING TIME DST SAMPLE DESCRIPTION REMARKS

MIN/FT

			-400	436' Spl} Pred SH: lt-dk-gy, & gn-gy; Rare(Rr) chlky to dn LS; Trc oomldc LS:microXln(mx)-VfnXln, Fr-Gd Poro; NS.		
				467' Spl} SH: AA; sm wh-chlky to dn LS; NS.		
			-450	498' Spl} ~50% LS: tn-gy, prt dn-mx-fnX; sm pr-Fr fos-mold Poro w/ NS; sm arigl-shly; ~50% SH.		
				529' Spl} LS: tn, lt-dk-gy, dn & mx-VfnX, sm argil, sm fos: AA; pred pr Poro- NVP; NS; & SH: pred gy-bk, sm pyrtc.		SHS @ 498' = 1/4 deg
			-500	560' Spl} LS: cm-gy, tn-bn, sm dn & argil; & mx-VfnX, sm dolomc; pred pr Poro-NVP w/ NS; & SH:AA; & SILTS: lt-gy, micac, Sndy:Vfn Gr'd, sm calc.		
				(connection)		



839' Spl}: LS: tn-gy-wh, pred dn- cryptoXln-fnX; prt Lithogr; Trc MdX-CrsX w/ Vpr-NVP; NS;

-800

sm SH: gy-bk; & gn-gy SH & SILTS.

**825' (+544)
BURLINGAME**

870' Spl} {Burlingame} {Abndt} LS: tn-gy-wh, sm mot-Pkst- fos, & Wkst, & mx-fnX; sm pr-Fr Poro w/ NS; pred dn- Vpr-NVP; NS; V.rare(Vrr) 2nd ReX; Vrr chlky; NS.

-850

901' Spl} Sharp incrs in SH: dk-lt-gy, & bk; & SILTS: gn-gy, sm Sndy; sm calc & Lmy; sm argil LS.

SILTS: AA

**900' (+469)
WHITE CLOUD LM**

-900

**913' (+456)
WHITE CLOUD SD**

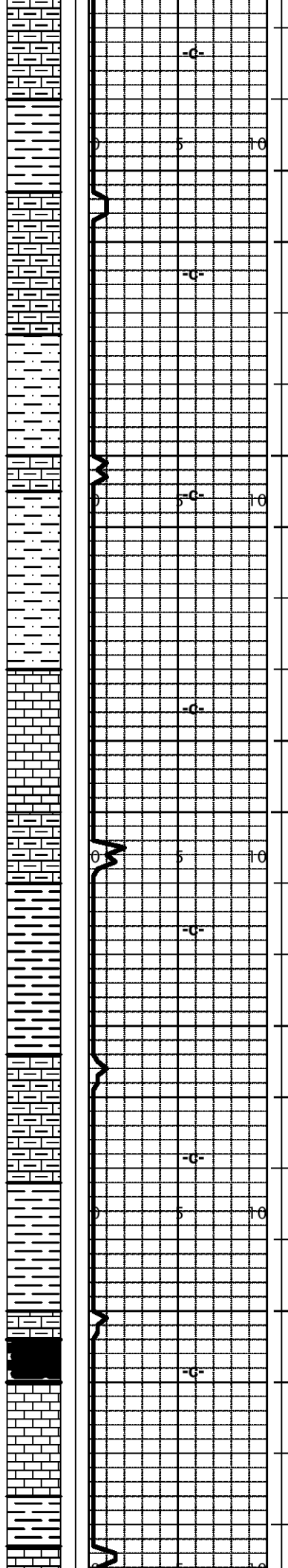
933' Spl} {Wh Cloud LS} LS: gy-tn, sm mot- Pkst, sm Sndy, sm argil- silty; Vpr-NVP; & SILTS- SH: AA.

933' & 963' Spl's} {Wh Cloud SS} Very rare(Vrr)(~5%) Sd Clusters: gy w/ tn-O.STN; pred Vfn Gr'd & silty w/ pr-Fr Poro: I.Gr.Poro w/ subsat to sat.STN & brt FLR, & SI-Fr SFO & Gas Bubles(GB), & SI-Fr Cut; Trc Vfn-fn Gr'd fribl Sd Clust w/ Gd I.Gr.Poro w/ sat.O.STN & FLR, & Fr SFO&GB, & Fr-Gd Cut, Vsl Odor. Pred SH & SILTS: sm micac, sm pyrct (incrs SH & SILTS; & decrs Sd Clust in 963' Drlg & 15min.circ. Spl's).

-950

994' Spl} Abndt SH: pred lt-dk-gy;

& ~30% LS: cm-gy-bf, dn & argil Mdst; Rr chlky; Vpr-NVP; NS.



-1000
-1050
-1100
-1150
-1200

1025' Spl} Abndt SH: gy-bk;
& sm LS: dk-lt-gy, & wh, sm mot- Pkst, sm argil- dn; Rr prt chlky; pred Vpr-NVP; NS.
1056' Spl} LS: gy-tn, dn-mx- Lithogr & Mdst, w/ Vpr-NVP; NS; (50% SH: AA)

Rr dn & argil LS.
1085' Spl} Pred SILTST & SH: dk-lt-gy, micac, sm tite.

1117' Spl} V.Abndt LS:cm-bf, & wh, Wkst- Pkst, sm chlky; sm argil; Vpr-pr visbl Poro w/ NS.

LS: dk-lt gy & tn, dn-mX- fnX, sm argil, VPr- NVP, NS.
1149' Spl} SH: gy, sm calc & lmy & SILTS: sm blk carb-Vcarb SH.

1179' Spl} LS:gy-bn-tn, dn, mX-fnX, VSI fos, sm argil, VPr- NVP w/NS. & SH: gy-blk.

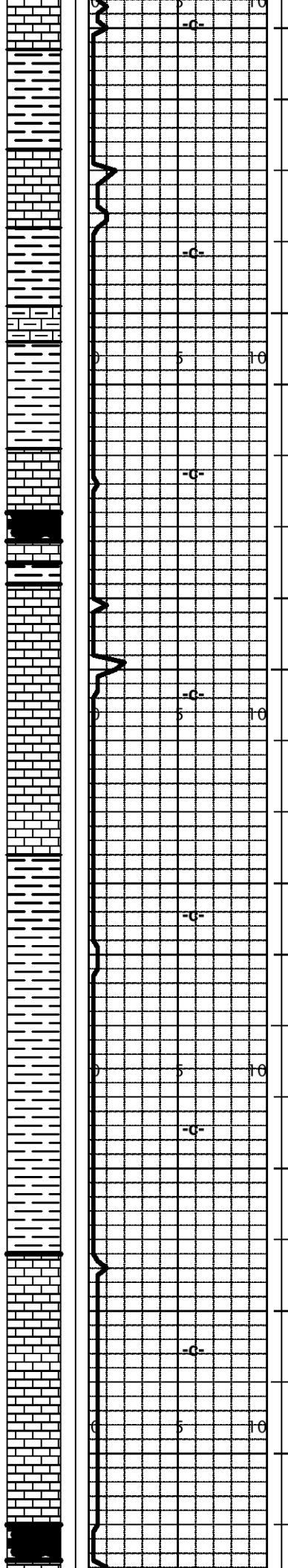
1210' Spl} SH: gy-blk, sm blk carb.

LS: cm-tn, mX-fnXln, VRr MdX's- 2nd ReX, sm SI fos, VPr- Pr visbl Por: IX Por, >99% barren, Trc FLR- Trc SFO.

1242' Spl} SH- SILTS: gy, sm micac.
LS: gy-tn-wh, Pred dn, sm argil, Rr chlky, Rr fos Pkst, Pr-

SHS @ 1025'= 1/2 deg

{Trc SFO}



NVP, NFO.

1273' Spl} LS: gy-tn-wh, Pred dn, sm argil, Rr chlky, Rr fos Pkst, Pr- NVP, NFO.

SH-SILTS: gy, sm calc & lmy.

-1250

1304' Spl} SH: gy, sm calc & lmy.

LS: wh-bf-gy, dn & chlky, VPr- NVP, NS.

1335' Spl} SH: blk carb.

LS: wh-tn-gy, dn to chlky & mX- fnX, VRr prt MdX, Pr- NVP w/ NFO.

-1300

1365' Spl} sm LS: cm-tn, mX- fnXln w/Pred Pr visbl Por w/NS.

SILTS: lt-md gy, sm calc & sndy & SD CLUST: lt gy, Vfn Gr'd w/Pr visbl Por w/NS.

SH-SILTS: gy, micac.

-1350

1396' Spl} {OREAD} LS: cm-bf-tn, mX-MdX, sm 2nd ReX, sm grnlr Pkst w/Pr-Fr Por, >5%<10% w/subsat FLR & SI SFO, spt'd- subsat lt Tn STN & VSI-SI Cut; VRr Gd Por: I Gr & IX w/sat STN- FLR & SI SFO, SI Odor.

**1382' (-13)
OREAD
{SI SFO}**

1427' Spl} LS: bf-tn-wh, mX- MdX, grnlr & Xln w/Pr- Fr visbl IGr & IX Por; <5% w/FLR & SFO, AA & subsat-sat lt STN & SI Odor, Pred barren, sm chlky w/Pr- NVP, VSI Cherty.

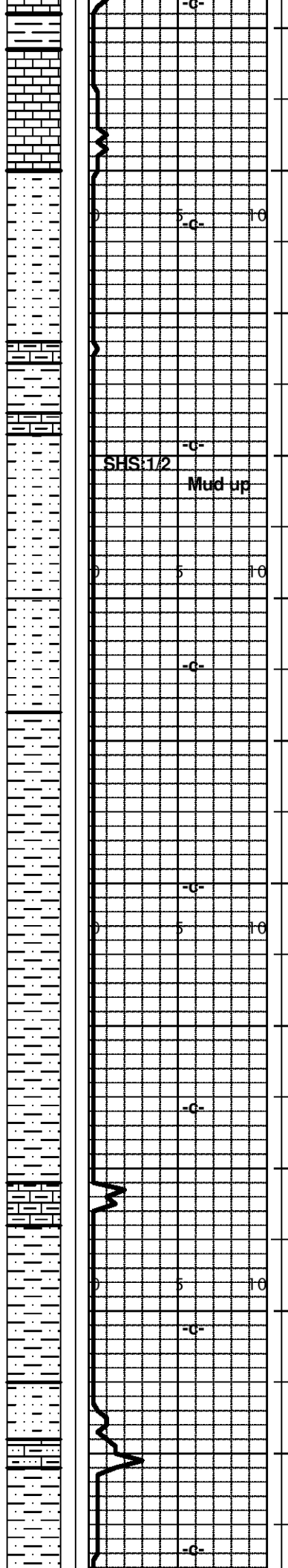
-1400

{VSI SFO}

1458' Spl} {HEEBNER} SH: blk subcarb- Vcarb.

**1420' (-51)
HEEBNER**

LS: gy-sub chlky, dn & chlky & LS: AA



LS: gy-wh, chky- dn & shly, & LS: AA.

1489' Spl} SH- SILTS: AA.

LS: tn-gy-wh, sm mot, mX- MdX- 2nd ReX, sm grnlr, prt chky, Sl fos, VPr- Pr Por: lGr Por, lX Por, <5% w/FLR-STN-SFO-CUT, Pred barren.

{VSI SFO}

1447' (-78)
DOUGLAS

-1450

1520' Spl} SH- SILTS: Incrs dk-lt gy, micac, sm sndy, VRr SD CLUST: gy, Vfn- fn Gr'd, silty, micac, VPr- Pr Por w/NS.

5 10

-C-

1551' Spl} LS: gy-tn, dn, cryptoX- VfnX, sm argil-shly mdst, VPr- NVP w/NS.

Pred SH & SILTS, VRr SD CLUST: gy-wh, Vfn Gr'd, silty w/VPr- Pr visbl Por, NS.

SHS: 1/2

Mud up

-1500

SHS @ 1498' = 1/2 deg

5 10

-C-

1582' Spl} SILTS: lt-dk gy, sndy, micac & Silty SS: lt-dk gy, Vfn-fn Gr'd, md'd- subanglr, sm fribl, micac, sm Fr- Gd Por w/ NS. Pred well cmt'd w/VPr- Pr Por & NS.

SILTS-SH: gy-blk, sm sndy & micac.

-C-

-1550

1613' Spl} sm SD CLUST: AA w/NS; sm SILTS: lt- dk gy, sndy, micac. Abndt SH: gy-blk.

5 10

-C-

-C-

-1600

1644' Spl} sm LS: cm-gy-tn, sm mot Pkst, sm mX-fnX, prt argil & shly, VPr- NVP, NS.

SILTS: lt-dk gy, micac, sm sndy, sm pyrct.

5 10

-C-

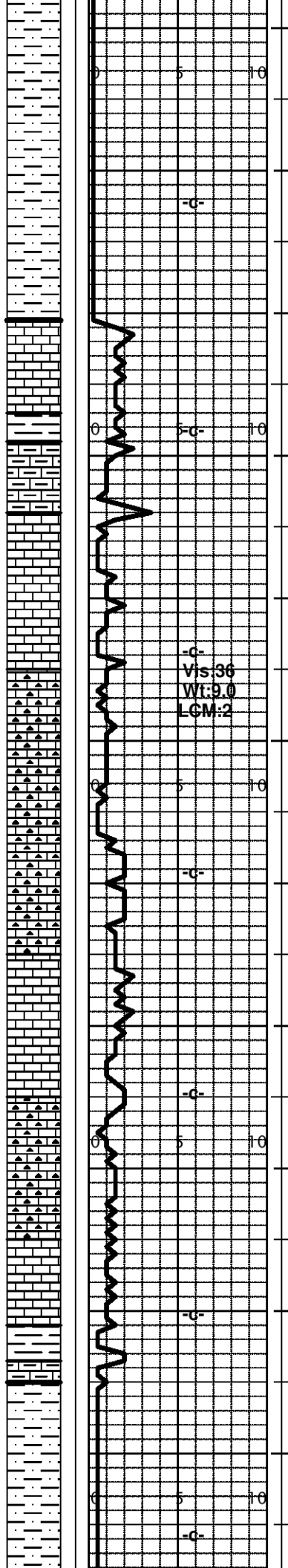
-C-

1675' Spl} VRr SS- SD CLUST: lt-dk gy, Vfn-fn Gr'd, anglr- rnd'd Gr's, well cmt'd, calc & lmy.

LS: cm-gy, sm sndy, argil, VPr- NVP w/NS.

SILTS- SH: lt-dk gy.

-C-



-1650
-1700
-1750
-1800
-1850

1707' Spl} Pred SILTS & SH: AA.
sm LS: tn-gy-wh, Pred dn, mX- fnX, SI fos, VPr- NVP, NS.

{LANSING} LS: wh-tn, pred dn- mX- fnX, VPr- NVP, prt chlky.

1738' Spl} LS: wh-tn-gy, mX- fnX, Rr prt MdX, sm Pkst, fos & ool, prt chlky, VPr- Pr Por, VRr Fr vug & IX Por; <5% w/lt STN, ~1% w/FLR & Trc SFO & Odor.

1769' Spl} LS: wh-tn-gy, mX- fnXln, Rr prt MdXln- 2nd ReX, Trc crsX's, Rr Fr- Gd IX & vug Por w/lt tn STN; >5% <10% w/subsat FLR & SI SFO & Cut, Frly Strng Odor.

1800' Spl} LS: wh-bf-tn, sm mot Pkst, mX- Rr prt MdXln- VRr crsX's- 2nd ReX, sm Fr- Gd Por: vug, IX & mldc Por; ~30% w/spt'd- sat FLR & SI- Fr SFO, Frly Strng odor, subsat- sat lt Tn STN & SI- Fr mlky Cut. SI Cherty: opq, fos.

1831' Spl} LS: gy-tn-wh, Pred dn- mX w/VPr- NVP, >99% w/NS. (Trc AA w/FLR- SFO) sm chlky LS.

1862' Spl} LS: wh-tn-gy, prt chlky, prt dn, mX- fnX, Pred VPr- NVP w/NS. SI Cherty.

1893' Spl} LS: gy-tn, dn- mX- fnX, VPr- NVP & NS. sm argil- shly.

SH: dk gy, sm calc & lmy.

1924' Spl} Pred SH- SILTS: gy, sm calc & lmy. (sm LS: AA)

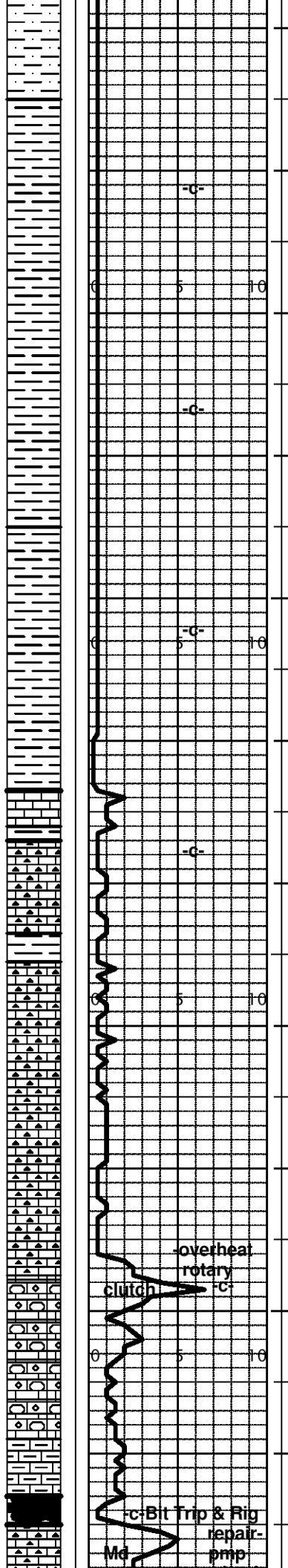
**1691' (-322)
LANSING**

{Trc SFO}

{SI SFO}

{SI-Fr SFO}

**1840' (-471)
B/LANSING**



1955' Spl} SH: lt-dk gy, sm calc & lmy, sm micac & SI pyrtc.

-1900

1986' & 2017' Spl} {B/LANSING} SH: dk-lt gy, sm calc & lmy & SI micac.

-1950

2017' Spl} {KANSAS CITY} sm LS: wh-gy-tn, mX- fnX, sm ool & fos Pkst, VRr Md- VCrsX's, SI Cherty, Rr Pr- Fr IX Por; ~5% w/spt'd- subsat FLR, VSISFO- Por- mFrc & Edg's, SI Odor.

**1977' (-608)
KANSAS CITY
{VSI SFO}**

-2000

2048' Spl} LS: wh-gy-tn, mx- Rr prt MdXln, VRr crs- VcrsX's, Pr- Fr pp & IGr Por; Cherty: wh-gy-tn, opq, shrp, VPr- Pr IX Por; >5% <10% w/spt'd- subsat FLR w/VSI- SI SFO & SI Ocor, Lt STN, VSI- SI Cut. Pred chlky & Pr- NVP & barren, Rr Pr- Fr barren Por, VRr STN, <5% w/FLR & VSI SFO & Cut.

{VSI SFO}

{VSI SFO}

-2050

2079' Spl} LS: gy-tn-wh, Pred dn to chlky, sm fos & ool Pkst, VPr- Pr IGr & IX Por, VRr prt MdXln; <5% w/spt'd- subsat FLR & VSI SFO & Cut, VSI Odor- Por- mFrac & Edgs.

{VSI SFO}

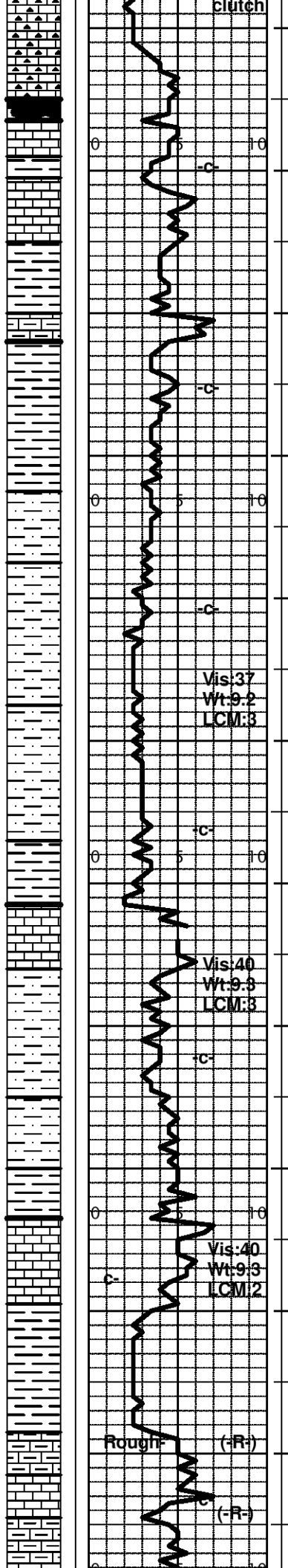
**MUD CHECKS
by FUD MUD:
WT 9.25, VIS 36
PV 4, YP 8
WL 12.0, pH 8.5
CI 1400, LCM 2#**

15 min Circ Spl} LS: AA & gy, argil.

{STARK} SH: blk carb- Vcarb.

**2076' (-707)
STARK
SHS @ 2079' = 1/2 deg**

2100' Spl} LS: wh-gy-tn, mX- fnXln, VRr ool & fos, Trc oomldc w/STN, Trc Fr- Gd Por, SI Cherty; ~1% w/FLR &



Trc SFO & SI Odor. Prt chllly, Pred dn, SI Cherty.

-2100
2120' Spl} {HUSHPUCKNEY} SH: blk subcarb- Vcarb.
LS: gy-tn-wh, Pred dn, sm chlky, Trc Pr Por w/STN- SFO, AA.
SH: gy-blk.
LS: gy-tn-wh, mX- VfnXln, VPr- NVP w/NS.
2140' Spl} SH: gy-blk.
LS: gy, dn- argil.
2160' Spl} {BASE KANSAS CITY} SH: gy-blk, pyrtc, sm carb.

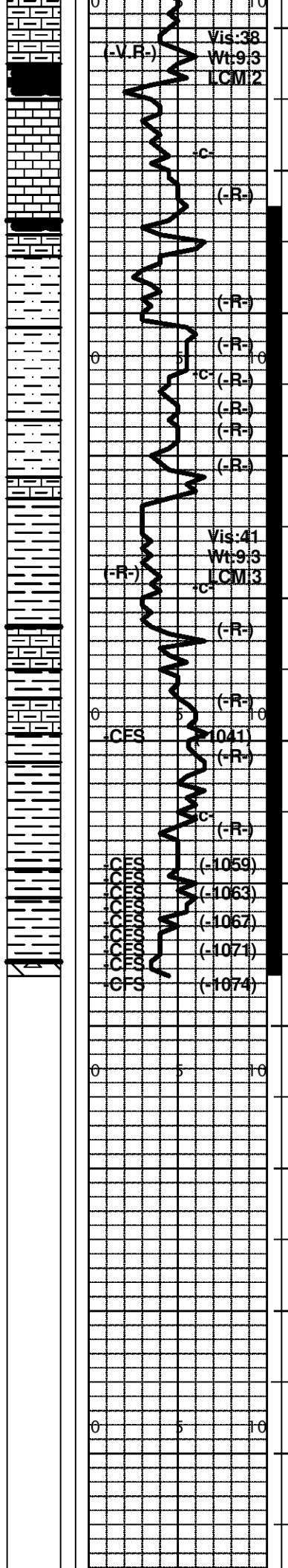
-2150
2180' Spl} SH & SILTS: gy, sm calc & lmy & sndy, sm pyrtc.
2200' Spl} SILTS- SH: gy, sm calc, micac.
2210' Spl} SILTS: AA & SH: gy-blk, sm carb.

-2200
2220' Spl} Shrp Incrs SH: gy-blk, sm carb- Vcarb.
2230' Spl} {CHECKERBOARD} LS: gy-tn-wh, mot Pkst, mX- MdX, VRr crs- VcrsX's, Pr- NVP w/NS.
2240' Spl} (sm LS, AA) Incrs SH & SILTS: gy-blk & gn-gy.
2250' Spl} SH- SILTS: lt-dk gy & gn-gy, sm sndy & calc, sm mrn-rd SH.

-2250
2260' Spl} SH: AA, gy & gn-gy & mrn.
2270' Spl} {ALTAMONT} Abndt LS: tn-gy-wh, Pred dn, Rr Pkst, Rr chlky, VPr- NVP, NS.
2280' & 2290' Spl} SH: blk car & gy & blk. & sm dn & argil LS- Mdst.
LS: gy, argil- shly- dn.
LS: gy-tn-wh, dn- mX- fnXln, sm fos Pkst, VPr- NVP w/NS.
LS: tn-gy-wh, Pred dn, sm argil w/VPr- NVP, NS. & SH: gy-blk & gn-gy.

-2300

	{Trc SFO}	
	2134' (-765) B/KANSAS CITY	
	10' SAMPLES	
	2213' (-844) CHECKERBOARD	
	2257' (-888) ALTAMONT	WT 9.3, VIS 39 PV 4, YP 11 WL 11.8, pH 9.5 CI 1200, LCM 2#



SH: blk carb- Vcarb & dk gy, pyrtc.

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

{CHEROKEE} (PJR) SH: blk carb & LS: gy-tn, dn Mdst.

SH- SILTS: lt-dk gy & gn-gy & mrn.

SILTS: gy, micac. & SH: gy-blk, sm carb.

SH- SILTS: dk-lt gy & blk, micac.

LS: gy, dn & argil- shly.

SH: gy-blk, sm pyrtc.

{ARDMORE} Rr LS: tn-gy-wh, Pred dn-mX- VfnX, sm argil-shly.

SH: gy & blk carb.

LS: argil & shly.

SH: gn-gy & mrn.

LS: gy-tn, dn & argil & pyrtc. & SH: dk-lt gy & gn-gy & mrn, VRr blk carb, pyrtc.

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

SH: AA, Incrs pyrtc, sm calc, sm mrn & blk.

SH: lt gy, pyrtc,

SH: dk gy-bn-blk carb & Phos, sm Odor.

{VIOLA} (2442' 20 min spl) >90% SH: AA, Trc Sd Clust: gy-tn-STN, Vfn- Md Gr'd, anglr- rnd'd, well cmt'd w/VPPr- Pr visbl Por w/subsat- sat STN & SFO & Cut; >5%<10% VIOLA; ~60% VIOLA CHERT: wh-cm-blu-gy, prt shrp, prt wthr'd & doloc- Frac Edg's & mFrac's & wthr'd Edg's & vug Por w/spt'd brt FLR & Tn OSTN w/SFO & Cut; & DOLO: bf- rich Tn STN, cm, mX- fnXln, sm grnlr texture, sm Vfn- fnXln, sucro w/subsat- sat FLR & STN, Fr- Gd SFO&GB, Fr- Gd Cut, Frly Strng Odor, sm pyrtc, sm silic & Cherty Dolo & pyrtc (AA). (2442' 40 min spl) Trc Sd Clust, AA. ~10% Incrs VIOLA Rx, ~50% DOLO, ~50% Chert; DOLO: bf-tn-STN & cm, mX- fnXln, sucro & grnlr & chrt- silic & pyrtc, VRr shly- argil, Fr IX Por w/Pred sat STN & FLR w/Fr- Gd SFO & Cut. CHERT: cm-gy & blu-gy, prt shrp, prt wthr'd Edg's & Frac Edg's & mFrac & vugs w/SFO-GB & Cut; sm pyrtc, Frly Strng odor. (2442' 1 hr spl) Incrs VIOLA Rx, >10%<20% VIOLA (1/2 DOLO, 1/2 CHERT) DOLO: AA, sm pyrtc, VRr Gd vug Por, Fr IX Por, subsat- sat brt FLR w/ Fr- Gd SFO&GB; Fr- Gd Cut, Frly Strng Odor; CHERT: AA, Pred spt'd- subsat FLR & spt'd STN w/SFO&GN & Cut from Frac Edg's & wthr'd Edg's & mFrac- IX Por on brk. (2443' 20 min spl) Shrp Incrs VIOLA Rx (~60%), Pred DOLO: rich tn-bn STN, mX- fnXln, Pred vfnXln- sucro w/Fr- Gd Por: IX Por, pp- vug Por w/sat brt FLR & STN, Fr- Gd SFO&GB & Fr- Gd Cut; CHERT: AA (~20-30% of Viola Chert & 70-80% DOLO): wthr'd & Frac'd & doloc w/FLR- STN- SFO- Cut, AA. VRr silic & dn- mX Dolo- Strng Odor, SI pyrtc Dolo & Chert. (2443' 40 min spl) ~70% VIOLA Rx, Pred DOLO: mX-fnXln, sucro w/Fr- Gd IX Por, sat STN-FLR, Fr- Gd SFO&GB & Cut. ~30% VCherty: cm & lt-dk blu-gy, Pred opq, wthr'd, Frc'd w/FLR- STN- SFO-Cut, Strng Odor.

2337' (-968)
CHEROKEE

2394' (-1025)
ARDMORE

2441' (-1072)
VIOLA
{Fr-Gd SFOGB}
2443' (-1074)
RTD/LTD

DST #1 VIOLA
2335'-2443'
30-45-45-60
1st Op: Strng blo,
BOB 1 min 12 sec,
No BB
2nd Op: Strng blo,
BOB in 4 min, wkr
@ end, No BB.
Rec: 1116' TF:
279' VSIOCWM
3%O,10%W,
87%M)
558' OCMW
(15%O,24%W,
61%M)
229' SIOCWM
(10%O,40%W,
50%M)
CI 17,000 PPM
Tool Spl:
MW, Oil scum
IHP: 1132
IFP: 50-462
ISIP: 523
FFP: 461-524
FSIP: 524
FHP: 1101
BHT: 106 F

VESS OIL CORP
WILSON 'A' #449
950'FNL & 1265'FWL
Sec 9-25S-05E
BUTLER CO., KS
API#15-015-24001



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: wilson449dst1

TIME ON: 12:45 PM
TIME OFF: 9:43 PM

Company Vess Oil Corporation Lease & Well No. Wilson A #449
Contractor C&G #3 Charge to Vess Oil Corporation
Elevation KB 1369 Formation Viola Effective Pay _____ Ft. Ticket No. K052
Date 11-02-13 Sec. 9 Twp. _____ 25 S Range 5 East W County Butler State KANSAS
Test Approved By Roger Martin Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 2335 ft. to 2443 ft. Total Depth 2443 ft.
Packer Depth 2330 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2335 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2316 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 2440 ft. Recorder Number 13306 Cap. 4925 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 49 Drill Collar Length 177 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 2125 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 108 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: Strong, OB in 1 Min., No Blowback
2nd Open: Strong, BOB in 4 Min., Weaker At End, No Blowback

Recovered 279 ft. of VSOCWM 3%Oil, 10%Wtr, 87%M
Recovered 558 ft. of OCWM 15%Oil, 24%Wtr, 61% Mud
Recovered 279 ft. of SOCMW 10%Oil, 40%Wtr, 50%M
Recovered 1116 ft. of Total Fluid

Recovered _____ ft. of <u>Tool Sample: Muddy Wtr W/Oil Scum</u>	Price Job
Recovered _____ ft. of <u>CHLORIDES: 17000</u>	Other Charges
Remarks: <u>PH:7</u>	Insurance
<u>RW: .825 @ 58</u>	
Drill Pipe is 4" Full Hole	Total

Time Set Packer(s) 2:54 PM A.M. P.M. Time Started Off Bottom 5:54 PM A.M. P.M. Maximum Temperature 106
Initial Hydrostatic Pressure..... (A) 1132 P.S.I.
Initial Flow Period..... Minutes 30 (B) 50 P.S.I. to (C) 462 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 523 P.S.I.
Final Flow Period..... Minutes 45 (E) 461 P.S.I. to (F) 524 P.S.I.
Final Closed In Period..... Minutes 60 (G) 524 P.S.I.
Final Hydrostatic Pressure..... (H) 1101 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 Viola 2335-2443
Start Test Date: 2013/11/02
Final Test Date: 2013/11/02

Wilson A #449
Formation: Viola
Job Number: K052

Wilson A #449

