Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1321635

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

API No. 15
Spot Description:
Feet from Dorth / South Line of Section
Feet from 🗌 East / 🗌 West Line of Section
Footages Calculated from Nearest Outside Section Corner:
GPS Location: Lat:, Long:
(e.g. xx.xxxx) (e.gxxx.xxxx)
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?
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 TwpS. 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:

	Page Two	1321635
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important taps of formations populated	otail all coros Poport all final	popios of drill stoms tasts giving interval tasted time tool

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).

Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		on. 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 / SQL	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No,	skip	questions 2 and 3)
(If No,	skip	question 3)

No

No

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)e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packe	r At:	Liner F	Run:	No	
Date of First, Resumed P	roducti	on, SWD or ENHF	} .	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION				·	METHOD	OF COMPLE			PRODUCTION INT	
Vented Sold	<u> </u>	Jsed on Lease		Open Hole	Perf.	(Submit A	Comp.	Commingled (Submit ACO-4)		
(If vented, Subm	IIII ACO	-10.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Vess Oil Corporation
Well Name	NINCEHELSER 13
Doc ID	1321635

Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	263	Class A	150	3% cc
Production	7.875	5.5	15.5	2470	Thickset		5#/sx kolseal

ROGER L. MARTIN INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970						
		GIST'S RE				
COMPANY VESS OIL CO	ELEVATIONS					
LEASE NINCEHELSER			KB <u>1373'</u> GL <u>1364'</u>			
FIELD EL DORADO						
2201 FML 8	220 EWI		Measurements Are All From KB			
			API 15-015-24066-0000			
SECTION 17 TOWNS			An			
COUNTY BUTLER	STATE	KANSAS				
CONTRACTOR C&G DI	RILLING, Rig #	# 2	CASING			
SPUD <u>09/01/2016</u>			SURFACE 6 jts 8-5/8" set @ 263' KB			
(F03), F03)			w/150 sx Class A, 3% cc			
RTD 2445' (-1072)	LTD 2445 (ICAL SURVEYS		PRODUCTION 58 jts 5-1/2" set @			
ELI: DIL/MEL, CDL/CNL/PE	ICAL SURVETS)	2418'KB w/150sx Thickset, 5#/sk Kolseal			
	100					
FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY			
HEEBNER DOUGLAS	1376' (-3) 1410' (-37)	<u>3</u> 2	08/20/2016- MIRU C&G Drilling Rig #2. Buckeye deliver 6 jts of 8-5/8 23#/FT L.S. Casing= 252.23' (threads off)			
LANSING	1651' (-278)	1651' (-278)	09/01/2015- Start drilling Rathole @ 12:45 PM. SPUD 12-1/4" hole @ 2:30 AM.TD @ 263'. Run 8-5/8" 23#/FT			
KANSAS CITY	1963' (-590)	1963' (-590)	Casing= 252', Set @ 263'KB. Consolidated Cement w/ 150 sx Class A, 3% cc. Circ cement. Plug down @ 10:18			
SWOPE HERTHA	2073' (-700) 2093' (-720)	2073' (-700) 2093' (-720)	PM. Shut down until 09/06. 09/06/2016- Drig under surface @ 7:30 AM. 3:15 PM			
BASE KANSAS CITY	2125' (-752)	2125' (-752)	drig @ 905'.			
CHECKERBOARD	2198' (-825)	2198' (-825)	09/07/2016- Drlg @ 1720'. Bit trip & mud up @ 1597'. Surveys: 263'- 1/2, 620'- 1/4, 1262'- 1/2, 1597'- 1/2 MW 9.0, VIS 34, WL 11.2, LCM 0.			
HEPLER	2212' (-839)	n/a	09/08/2016- Drlg @ 2250'. Survey: 2162'- 3/4, MW			
ARDMORE	2321' (-948) 2386' (-1013)	2320' (·947) 2386' (·1013)	9.2, VIS 44, WL 9.2, LCM 4#. CFS @ 2410', 2414', 2420', etc.			
EROS. ARBUCKLE	2408' (-1035)	2405' (-1032)	09/09/2016- RTD 2445'. Running DST #1: 2390-2445'. Run OH Logs. Get ready to run 5-1/2" casing. Heavy			
ARBUCKLE DOLO	2414' (~1041)	2420' (-1047)	rains and wind.			
LTD/RTD	2445' (•1072)	2445' (-1072)				
		3				
REMARKS: CASING JOB (C.COATS, ENGINEER, VOC): RAN 58 jts of 5-1/2" 15.5#/ft J-55 Casing Taily= 2423.12', Plus Packer Shoe= 3.00'. Total= 2426.12', Set @ 2418'KB. Put on 6 centralizers and 2 baskets. Tagged TD @ 2445' and picked back up 27'. Set @ 2418'KB. Circ 20 min. Packer shoe set @ 1000#. Circ for 20 min. Pump 500 gal mud flush. Cement rathole w/25 sx, mousehole w/15 sx. Consolidated Services cemented with 150 sx Thickset w/5#/kK Kolseal. Lit pressure to 750#. Land plug @ 1150# @ 6:12 AM, 09/10/2016. Release, it held. Sets slips and cut off casing. E-Log tops by P. Ramondetta, Geologist, VOC Respectfully submitted, Roger L. Martin, Geologist (Wellsite)						
UNN PRESTY PRIME PSI	00 Pred SH: gy & gn-	PLE DESCRIPTION gy & SILTS: sm pyrto. sm blk n- gy-tn-bn, Pred dn Mdst- Wk NVP. VRr dn- sub-brtFLR. N	1410' (-37) DOUGLAS st& Rr			

c

Incrs LS: (~20%) Pred dn Mdst- Wkst & VRr Pkstw/Pr-NVP, sm argil, VRr dull FLR, Pred dn gy-tn-bn, Rr whchlky, Pred SH- SILTS, AA. VColord.

	0 j. 10	1450	Pred SH: AA, Incrs gy pyrto: SH-SILTS & Incrs bik carb SH, Tro Vfn Gr'd sitty Sd Clust & sndy Sitts w/Pr Por. NS. NF. NC.sm LS: AA, Pred dn, VPr-NVP, NS.		
		-	LS: AA, Pred dn, VPr-NVP, NS.		
			Abndt SH: (Pred SH), Inors Abndt blk carb SH & dk gy, sm pyrto, sm LS: AA, pred dn Mdst. Pred Vgt'd SH: It- dk gy & gn-gy & SILTS: sm calc & Imy & pyrto & micao. (LS: AA)		
	- .	1500	SILTS & SILTY SS-SD CLUST: Lt-md gy, Vfn Gr'd,		
			micac & SF VCalc, well cmt d w/VPr NVP, NS. SH: AA, VRrLS: AA.		
		-			
		1550	Abndt SH- SILTS: AA.		
	€i 	-			
		-	Rr LS: (~5%-10%) wh-gy-tn, prt chlky, sm dn Mdst, sm prt fn- Mdxln w/VRr crs- Vcrs X's- 2nd ReX, VRr <5% w/spt"d brt FLR, Trc SFO & cut, VPr- Pr visbl IX Por, mFrac & Edg's w/2nd ReX- FLR.	(Trc SFO)	
		-	Incrs LS: wh-gy-tn, dn Mdst-Wkst, Rr Pkstw/Pr-NVP w/	*BIT TRIP* *MUD UP*	SHS@1597'=1/2deg
	0-3	1600 -	Pred NS. <5% w/spt"d FLR & Trc SFO. SH: Pred dk gy-blk & SILTS: md-dk gy, micac & calc & sm sndy (VRr LS: AA)	(frc SFO)	
		-	SH: AA, Pred dk gy-blk, VRrpyrto. VRr LS: AA.		
		-			
	0.	1650	{LANSING} LS: wh-gy-tn w/sm rich Tn OSTN, sm prt fnxln-Mdxln, sm crsX's-2nd ReX, sm dolomc, Fr-Gd SFO & Strng Odor, ~20%-30% w/Fr-Gd Por, subsat-sat	-1651' (-278) LANSING {Fr-Gd SFO)	
	-C-	-	STN-FLR, Fr-Gd strmg mlky cut; s m prt chlky, fos Pkst w/Pr-Fr Por, STN-FLR, SFO & Cut. LS: wh-gy-tn-STN, mx-fnxln, Rr MdX's & fos Pkstw/Fr- VRr Gd Por, ~20% w/sptd-sat LR & Fr-Gd SFO & Frly Strng Odor, Fr-Gd Cut, VRr crs-VcrsX's-2nd ReX w/FLR-STN-SFO & Cut, sm chky, fos Pkst.	(Fr-Gd SFO)	
	С- 	1700	LS: wh-tn-gy, mx-frxIn, VRr MdX-VCrsX's, ~10% <20% w/spt"d-subsat FLR, SI-Fr SFO Fr Odor & Pkst-ool & fos, Trc prt oomIdc, sm chky, Pr-Fr Por, Rr Gd Por, sm barren Por. (VAbndt SH: AA)	(SI-Fr SF O)	
		-	LS:wh-gy-tn, prt chlky, ool & fos Pkst, VRr prt oom ldc, Pred barren, VRr STN, Trcspt"d FLR, Trc SFO AA & Cut	(Tra SLO)	
	x vis 34 x wt 9.0		(sm SH: AA). LS: gy-tn-wh, sm dn hd Mdst-Wkst&sm Pkstw/Pred VPr- Pr Porw/NS. (Trc Por-SFO-FLR-STN AA)	(Trc SFO)	
		1750	LS: wh-gy Wkst-Pkst, prt chky, Pr-Fr Por, Trc FL-SFO-		
	0 C 10		ST- Cut. Pred barren. sm argil- dn Mdst- Wkst. (sm SH: AA)	(Trc SFO)	
			LS: gy-wh, Pred dn Wkst & Pkst- sm fos w/VPr- Pr Por w/Pred NS. sm argil Mdst- Wkst (deors SH: AA) sm wh- chlky LS. sm shly- argil Mdst.		
		1800	>80% Vgťd SH: gy-bik & gn-gy, sm calc& imy.		
	0	-1800	LS: gy, argil shly Pkst& Wkst, ool&fos, Pred VPr- NVP.		
	-C-		SH: Abndt gy calc & Imy.		
HANNA MANA MANANA MANANA MANANA MANA MAN	vis 34 wt 9.0 LCM 2#	+	SH: AA, calc & SI pyrtc.		
	0- 5 -1-0	1850	>95% SH: Predidkigy, smicalc& Sitts-ismicalc& smi pyrto. SH: AA, Predidk, md ov smicalc		
			SH: AA, Pred dk- md gy, sm calc. SH: AA & sm an-av & pyrte. Tre LS, AA,		
			SH: AA & sm gn-gy & pyrtc, Trc LS, AA. SH: Shrp Incrs in dk gy- bk SH, bk carb SH.		
	0 C F 10	1900	SH: dk- md gy, sm calc & micac.		
		ļ	Pred SH: dk-md gy. AA		
			AA SH: AA, dk-md Gy, sm calc (trc LS- Vfnxln, sucro w/sat FLR- STN & Cut)		
	C vis 34 wt 9.0 LCM 2#	1950	SH:md-dk.gy,sm.calc&sm.lmy&fosSH,AA,Sipyrtc. VBriS:ov.do.Mdst		
			VRrLS: gy, dn Mdst.	1963' (-590) KANSAS CITY {SISFO)	
	SIRgh -c- -CFS(-607)		DLS-DOLO: bf-tn & rich tn-bn STN, Vfn×In to Md×In, VRr CrsX-VCrsX's- 2nd ReX, ~40% w.Fr-Gd IX & vug Por w/subsat-sat STN-FLR, Fr-Gd SFO & Cut, Frly Strng Odor. ~60% w/spt'd-sat FLR-STN-SFO-Cut.	(Fr- Gd SFO)	
	StRgh StRgh	2000	LS: gy-wh & tn- sm STN, ool- Prof ool Pkst- Grstw/Fr- Rr Gd Por, <5% w/FLR- STN- SFO & Cut.	(Trc SFO)	
	θ 5 C - 1-θ		LS: wh-gy, sm chky, sm ool Pkstw/Pr- Fr lool Por, Trc STN- FLR- SFO- Cut, AA. Pred barren. Abndt dn Mdst- Wkst.	(Trc SFO)	
	<u>}</u>		LS: gy-wh & cm-tn, Pred dn Mdst-Wkst, sm Pkst& chk y LS w/Pr-Fr Por: pp Por, IGr Porw/NS. SIC herty. Rr prof ool Pkst-Grstw.Fr-Gd Por& NS. Abndt dn Mdst-Wkst w//VPr-NVP. Trcpp & mldc Porw/STN-FLR & Trc SFO.	(Trc SFO)	
	-C-		LS: gy-tn-wh, Pred dn Mdst- Wkst, VRr Pkst, Pr- NVP, Pred barren.		
	0 St Rgh	2050	LS: gy-tn-om, dn Mdst- Wkst & VRr fn- MdX- 2nd ReX,		
	S		Tro FLR, Tro SFO. SH: blk subcarb- carb. {SWOPE} LS: wh-bf-gy, prt chlky, mxln- vfnxln, Pr- Fr mIX Por, VRr ool & fos Pkst w/Pr- Fr lool Por. SI Cherty: cm-	(Trc SFO) 2073' (-700) SWOPE (Trc SEO)	
			blu-gy, Fr pp & IGr & IX Por, Trc STN, VRr (<5%) FLR, Trc SFO SH: blk carb- Vcarb.	(Trc SFO) 2093' (-720) HERTHA	
	θ β - c - θ β - c - 1.θ	2100	{HER THA} LS: cm-tgy, mx- fnxin & chiky Pkst Pr-Frvisbl	HERTHA {VSI SF 0)	
	SIRgh		LS: tn-gy-wh, mot Pkst- ool, VPr- Pr Por, VRr Fr Por, Pred barren.	2125' (-752) Base kansas city	
	SIRgh +C-		{BASE KANSAS CITY} SH: gy-bk, Abndt calc & Imy, sm micac. Rr LS: It-dk gy, mx-fnx, sm argil. Rr LS: dk gy-bk, dn &	BASE KANSAS CITY	
		2150	argil Mdst. Pred SH- SILTS: dk gy- blk, sm calc & Imy.		
			SH- SILTST: AA, Inors bik subcarb & calo, sm micao Silts & SH: VRr pyrto & VRr LS: AA. SH: AA, Inors in bik fis/sm carb, Inors pyrto		SHS@2162'=3/4deg
			SH: AA, Iners in blk fis/sm carb, Iners pyrte. SH: Shrp iners in blk carb, sm gy & gn-gy pyrte & sm Imy- cale.		
		2200	{CHECKERBOARD} LS: tn-gy-wh, Pred dn hd, sm Pkst, ool&fos, sm mx-fnxln, Pr-NVP, Rrprtfn-MdX, sm argil-	2198' (-825) CHECKERBOARD	
	θ Righ 1.0		ool & fos, sm mx-fnxln, Pr-NVP, Rrprtfn-MdX, sm argil- shly.NS. SH: It-dk gn-gy, Vgt'd, sm calc & Imy SH & Silts.		
	} -c-		SH:md-dkgy&gn-gy.		
			SH- SILTS: AA. {ALTAMON T} LS: gy-tn-wh, Pred dn Mdst- Wkst, Rr Pkst, sm chlky, Pr- NVP, NS. sm argil- shly LS & calc SH.		
	0	2250 -	SH:bok carb. sm.argi⊩shly LS& calo-lmy SH. SH:Vgt"d dk-bt gn-gy, sm.bok carb-Vcarb (Rr LS:AA)		
	SiRgh		SH: Pred dk gy- blk.		
	StRgh -C- StRgh		LS: gy-tn-wh, Pred dn Mdst- Wkst, Prr Pkst, VPr- NVP, NS. sm argil- shly, sm wxy- chlky. SH: AA, VPr- NVP, NS. Incrs dn & argil Mdst.		
		2300	LS: Abndt gy-tn-bn, m×ln- dn & gy Mdst. Abndt bk carb & Vcarb SH.		
	S.		LS: gy-tn-wh, dn hd Mdst & m× dn, NVP, NS. {CHEROKEE} SH: bk carb- Vcarb. LS: gy-tn, dn & argil Mdst- Wkst.	2320' (-947) CHEROKEE	
			SH:dk-tt gy & gn-gy, sm.calc & lmy, sm. pynt, sm. blk.carb, AA.		
	С- 0- 1-0	2350	SH: md gy, micac. SH: md- dk gy & bk carb, sm pyrtc, SH: md- dk gy.		
	vis 39 wt 9.2 LCM 4#		SH: md-dkgy. SILTS: ttgy, micac&calc, SH: md-dkgy&smbkcarb,&SILTS: AA.		
	С.		SH: AA, Incrs blk carb. {ARDMORE} LS: Abndt tn-ov. dn hd Mdst & m×- dn. sm	2386' (-1013) ARDMORE	
		2400	Silty SS- Sd Clust: gy-tn-STN, Vfn- fn Gr'd, calc, Pr- Fr	ARDMORE -{SI-FrSE0) 2405' (-1032)	DST#1 ARBUCKLE 2390'-2445' 30-45-45-90 1st OP: Bit to
	0		Por, STN, SF Fr SFO. {EROS. ARBUCKLE} CHER T: cm-blu-gy & dk blu-gy-bk, VC, sm ooF mot, prt shrp- wthr'd, ~20% FLR- STN- SFO. DOLO: bf-tn, mx- fnxln, sm silic & Cherty, Pr- Fr IX Por, Fr SFO- FLR- STN, Pred dn & argil, silic Dolo. {ARBUCKLE} DOLO: gy-bf-tn-STN, mx- fnxln, ~30%-	EROS.ARBUCKLE {SI-Fr SF 0) 2420' (-1047)	3 3/4" in 20 min 4" in 30 min, No BB 2nd OP: Blt to 2 1/2" in 40 min No BB
	CES(-1047) CES(-1057) SIRgh	-	40 % sucro-Vfn - fn ×ln , Fr-Gd IX Por, ∼40 % w/spt"d-sat brt FLR , Fr-Gd SFO, Frly Strn g Odor.	2420' (-1047) ARBUCKLE DOLO {Fr-Gd SFO) {Gd SFO)	No BB Rec: 120'TF: 30' CO (34 grav) 30' SWCOCM (20% 0,2% W,
	CFS(-1067)	- -2450	SFU, Strng Udor. DOLO: ~40% fn-mdxln w/Fr·Gd IX Por, vug Por, subsat- sat STN, FLR, Fr-Gd SFO & Cut, Incrs dn-mx-Vfnxln gy Dolo w/VPr-NVP & prt barren.	2445' (-1072) RTD/LTD	78% M) 60' OCM (9% O,91% M) Tool Sample: 20% O,65% M, 15% W
	0	0000		VESS OIL CORP NINCEHELSER A 13 330'FNL & 1880'FWL Sec 17-26S-05E BUTLER CO., KS 15-015-24066	CL: 9700 IHP: 1048 IFP: 41-75 ISIP: 726 FFP: 49-94
					FSIP: 680 FHP: 1016 BHT: 102 F



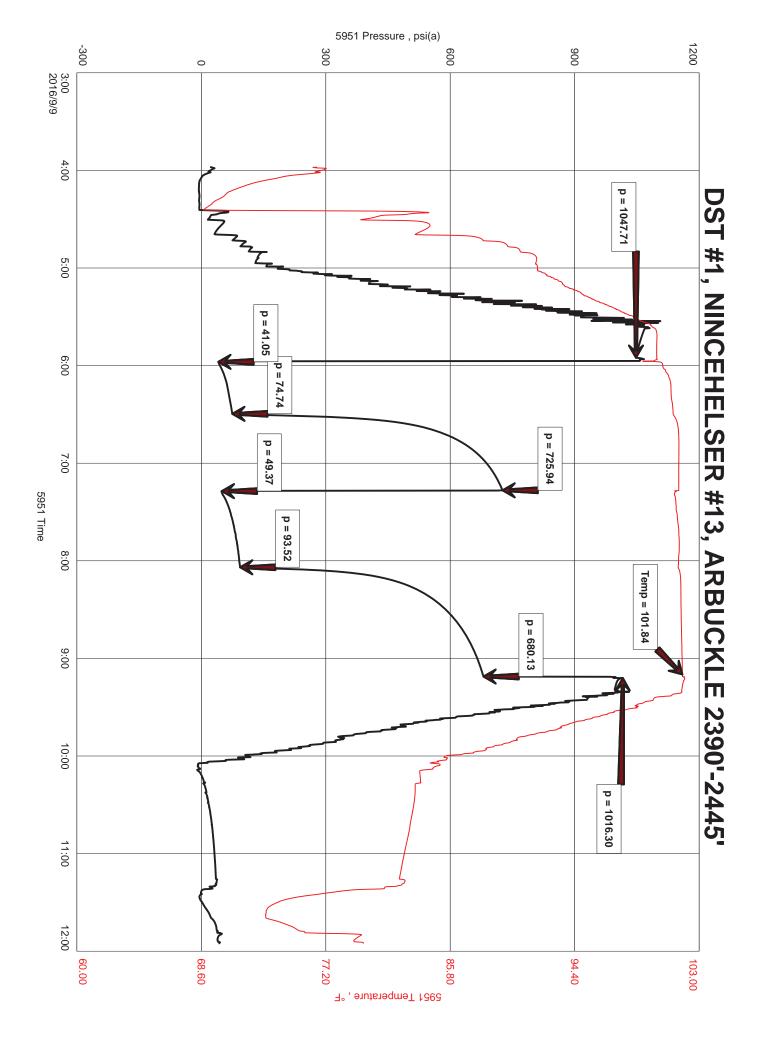
DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313 DRILL-STEM TEST TICKET FILE: <u>NINCE113DST1</u>

TIME ON: 03:58

TIME OFF:11:57

Company Vess Oil Corp			Lease & Well No	Nincehelse	· #13	3			
Contractor C&G Drilling, Rig #2			Charge to Vess	s Oil Corp					
Elevation 1373' KB Formation								1	
Date 9-9-16 Sec.17 T									AS
Test Approved By Roger Martin									
Formation Test No Interv	al Tested fro	om 23	90 ft. to	2445 ft. To	tal Dep	oth		<u>2445</u> f	ft.
Packer Depth 2385 ft. Siz									
Packer Depth2390 ft. Siz			Packer depth		ft.	Size	6 3/4	in.	
Depth of Selective Zone Set									
Top Recorder Depth (Inside)		2392 ft.	Recorder Numbe	r 595	1 Cap)	500	0 P.S.I.	
Bottom Recorder Depth (Outside)				r558					
			~ ~	r					
Mud Type CHEMICAL Viscosity				1 24					
Weight 9.1 Water Loss									
Chlorides	1,000	P.P.M.	Drill Pipe Length	2,12	2 ft.	I.D.	3 1	/2	in
Jars: MakeSTERLINGSerial Number									
Did Well Flow? NO Reverse									ir
Main Hole Size 7 7/8 Tool Joi	nt Size 4	1/2 XH in.	22' PERF IN ANCHOR Surface Choke S	ize1	_in.	Bottom	Choke S	ize_ 5/8	_ir
Blow: 1st Open: Blow increased to	4". No b	lowback.							
^{2nd Open:} Blow increased to 2									
			00% oil						
Recovered 30 ft. of SWCOCM			20% oil, 2%	wtr, 78% mu	ıd				
			9% oil, 91%						
Recoveredft. of									
Recoveredft. of					Price	e Job			
Recoveredft. of TOTAL REC					Othe	er Charge	es		
Remarks: TOOL SAMI			20% oil, 15%	wtr, 65% m	Insu	rance			
Chlorides: 9,700 PPM	RW:	.62 @ 70)F F	PH: 7.0		and the second sec			
Gravity: 34 @ 60F					Tota	1			
Time Set Packer(s)06:00	VI. VI. Time	Started Off B	ottom 09:00	A.M. P.M. Ma	iximum	Tempe	rature 10)2 F	
Initial Hydrostatic Pressure			(A)	1048 P.S.I.					
Initial Flow Period	. Minutes	30	(B)	41 P.S.I.	o (C)_		75	P.S.I.	
Initial Closed In Period	Minutes	45	(D)	726 _{P.S.I.}					
Final Flow Period	Minutes	45	(E)	49 P.S.I. t	o (F)		94	P.S.I.	
Final Closed In Period	Minutes	60	(G)	680 P.S.I.					
Final Hydrostatic Pressure		G. 81. 5	(H)	1016 _{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.

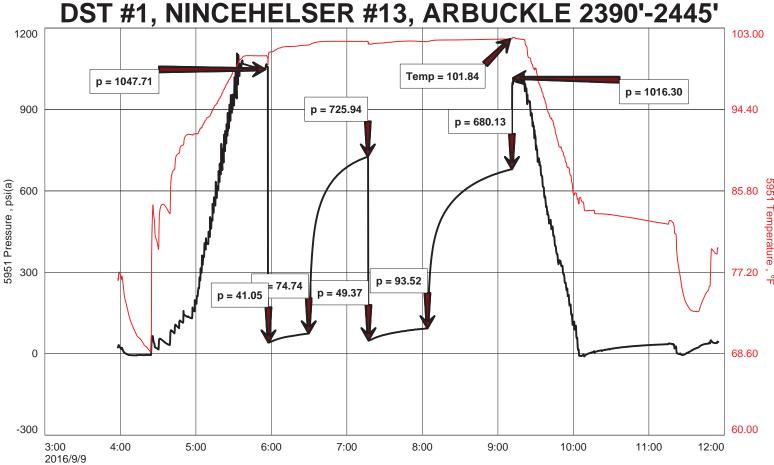




Initial Flow: Blow increased to 4". No blowback. Final Flow: Blow increased to 2". No blowback.

TOTAL RECOVERED FLUID: 120'

- 30' Free Oil 100% oil
- 30' SWCOCM 20% oil, 2% wtr, 78% mud
- 60' OCM 9% oil, 91% mud
- ----- TOOL SAMPLE: W&OCM, 20% oil, 15% wtr, 65% mud
- ----- Gravity: 34 @ 60F ----- Chlorides: 9,700 PPM ----- RW: .62 @ 70F ----- PH: 7.0





ATTACHMENT TO ACO-1

NINCEHELSER A-13 – API #15-015-24067-0000 330'FNL, 1880'FWL Sec. 17-26S-05E Butler County, KS

	Sample Tops	Log Tops
Heebner		1376 -3
Douglas Shale		1410 -37
Lansing	1651 -278 +7	1651 -278 GSO
Kansas City	1963 -590	1963 -590 GSO
Swope	2073 -700	2073 -700 tr SO
Hertha	2093 -720	2093 -720 v.slSO
B/KC	2125 -752	2125 -752
Checkerboard	2198 -825	2198 -825
Hepler	none	2212 -839
Cherokee	2320 -947	2321 -948
Ardmore	2386 -1013	2386 -1013
Arbuckle eros cht	2405 -1032	2408 -1035
Arbuckle dolo	2420 -1047	2414 -1041 SO
PTD	2445 -1072	2445 -1072

 DST #1 2390-2445 Zone: Arbuckle(2420-45, Best: 2430-40)

 Times:
 30-45-45-90

 1st open: Blt to 3 ¾" in 20 min, 4" in 30 min No BB

 2nd open Blt to 2 ½" in 45 min No BB

 Rec.: 30' CO(34 grav), 30' SWCOCM(20-0,2-W,78-M) 60' OCM(9-0, 91-M)

 Tool:
 (20% O,65% M, 15%W) 9700 CL

 IHP:
 1048
 FHP: 1016

 IFP:
 41-75
 FFP: 49-94

 ISIP:
 726
 FSIP: 680
 TEMP: 102



DIAMOND TESTING, LLC P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 NINCE13DST1

Page 1 of 2 Pages

Company VessOil Corporation	_Lease & Well No. Nincehelser	No. 13
Elevation 1373 KB Formation Arbuckle	Effective Pay	Ft. Ticket No. F441
Date <u>9-9-16</u> Sec. <u>17</u> Twp. <u>26S</u> Range_	Duffer	
	Piamond Representative	Jake Fahrenbruch
Formation Test No1 Interval Tested from	2,390 ft. to 2,445 ft.	Total Depth2,445 ft
Packer Depth2,385_ft. Size6 3/4_in.	Packer Depth	ft. Sizein.
Packer Depth2,390 ft. Size6 3/4 in.	Packer Depth	ft. Sizein.
Depth of Selective Zone Setft.		
Top Recorder Depth (Inside) 2,392 ft.	Recorder Number	5951 Cap. 5,000 psi.
Bottom Record er Depth (Outside) 2,393 ft.	Recorder Number	<u>5584</u> Cap. <u>5,000</u> psi.
Below Straddle Recorder Depthft.	Recorder Number	Cappsi.
Drilling Contractor C & G Drilling Company - Rig 2	Drill Collar Length	
Mud TypeChemicalViscosity49	Weight Pipe Length	ft I.Din.
9.1 Water Loss 8.8 cc. Chlorides 1,000 P.P.M.	Drill Pipe Length	2,122 ft I.D. $31/2$ in.
Chlorides1,000P.P.M.	Test Tool Length	28 ft Tool Size_ 3 1/2-IF in.
Jars: Make <u>Sterling</u> Serial Number 5	Anchor Length 22' perf. w/33'	drill pipe Size <u>4 1/2-FH</u> in.
Did Well Flow? <u>No</u> Reversed Out <u>No</u>	Surface Choke Size1 in.	Bottom Choke Size 5/8 in.
		Tool Joint Size <u>4 1/2-XH</u> in.
Blow: 1st Open: Blow increasing to 4 ins. No blow back during shut-in.		
2nd Open: Blow increasing to 2 ins. No blow back during shut-in.		
Recovered 30 ft. of free oil = .147600 bbls. (Grind out: 100%-oil) Gr.	avity: 34 @ 60°	
Recovered 30 ft. of slightly water cut, oil cut mud = .147600 bbls. (G		
Recovered 60 ft. of ^{oil cut mud} = .295200 bbls. (Grind out: 9%-oil; 91	l%-mud)	
Recovered 120 ft. of TOTAL FLUID = .590400 bbls.		
Recoveredft. of		
Recovered ft of		
Remarks_Tool Sample Grind Out: 20%-oil; 15% water; 65%-mu	d (Chlorides: 9,700 Ppm PH: 7.0) RW: .62 @ 70°)

Time Set Packer(s) 6:00	DA.M.	Time Started	off Bottom_	9:00 A.M.	Maximum Temperatu	ire102°
Initial Hydrostatic Pressur			(A)	¹⁰⁴⁸ P.S.I.		
Initial Flow Period		20	(B)	41 P.S.I.	to (C)	⁷⁵ P.S.I.
Initial Closed In Period	Minutes	s 45	(D)	⁷²⁶ P.S.I.		
Final Flow Period	Minutes	s 45	(E)	49 _{P.S.I}	to (F)	⁹⁴ P.S.I.
Final Closed In Period	Minutes	60	(G)	⁶⁸⁰ P.S.I.		
Final Hydrostatic Pressure			(H)	1016 P.S.I.		

DIAMOND TESTING GENERAL REPORT



Jake Fahrenbruch, Tester

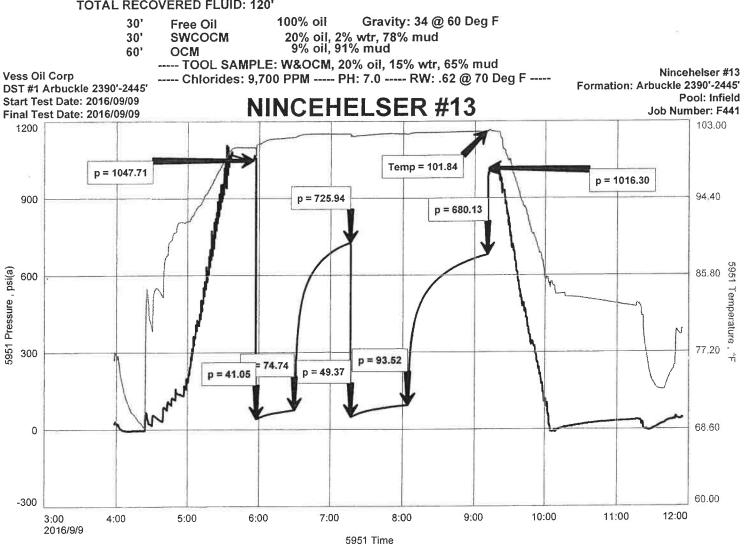
Cell: (620) 282-8977 / Office: (800) 542-7313

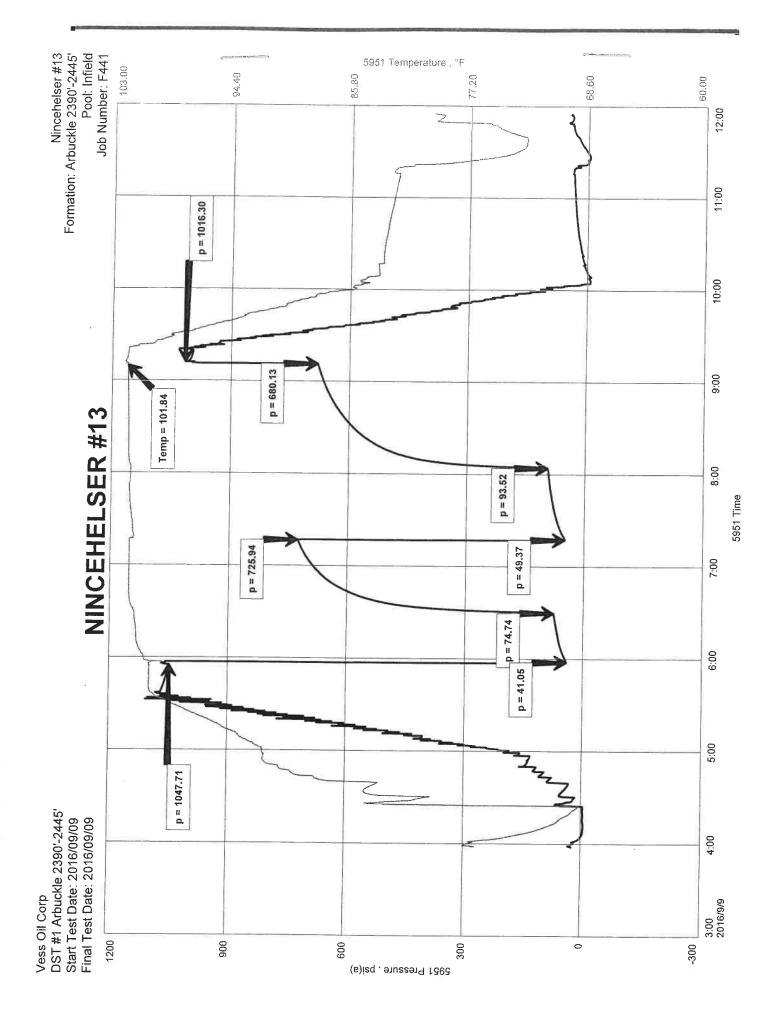
TEST INFORMATION Nincehelser #13 Well Name Vess Oil Corp **Company Name** DST #1, Arbuckle 2390'-2445' Formation **Test Type** Bottom-Hole w/J&SJ Sec 17-26s-5e-Butler Co.-KS **Surface Location KB** Elevation (SL) 1373.000 5951 **Gauge Name** 2016/09/09 Start Test Date 03:58:00 **Start Test Time** 2016/09/09 **Final Test Date** 11:57:00 **Final Test Time Job Number** F441 **Casey Coats** Contact **Site Contact Roger Martin**

TEST RESULTS

Blow increased to 4". No blowback. Initial Flow: Blow increased to 2". No blowback. **Final Flow:**

TOTAL RECOVERED FLUID: 120'





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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.

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AUTHORIZTION

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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.