Confidentiality Requested: Yes No

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

1080135

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 #	API No. 15				
Name:	Spot Description:				
Address 1:					
Address 2:	Feet from Dorth / South Line of Section				
City: State: Zip:+	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()					
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
	Elevation: Ground: Kelly Bushing:				
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan				
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)				
	Chloride content: ppm Fluid volume: bbls				
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
ENHR Permit #:	Location of huid disposar in natied offsite.				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West				
Recompletion Date Recompletion Date	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	1080135
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRINCTIONS. Charge important tang of formations parastrated	atail all aaraa Bapart all final	agniag of drill atoms toots giving interval tooted, 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).

Drill Stem Tests Taken (Attach Additional Sho	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geological Survey		Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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 / SQU	IEEZE RECORD			
Purpose:	Depth	Turne of Comparet	# On also I land		Turner and f		

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

No

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

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

(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				A		ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Ru	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF C	GAS:			METHOD		TION:	_	PRODUCTION IN	TERVAL:
Vented Sold Used on Lease				Open Hole	Perf.	Dually (Submit)	Ily Comp. Commingled		·	
(If vented, Sul	bmit ACC	D-18.)		Other (Specify)	(Submit)	,	(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

RICKET TS TE STING				(620) 326-5830	Pa	Page 1	
Company Address CSZ Attn.	Vess Oil Corpo 1700 Waterfron Wichita, KS 67 Roger Martin	nt Pkwy Blo	ig 500	Lease Name Lease # Legal Desc Section Township County	Netahla C 1 W/2 W/2 W/2 5 34S Sumner	Job Ticket Range State	3466 4W KS
Comments	nents Field: Gerberding		Drilling Cont	Drilling Cont Val Drilling #3			
GENERAL I	NFORMATIO	N		Chokes	3/4	Hole Size 77/8	
Test # 1 Tester Test Type	Jimmy Rickett Conventional Successful Te	Bottom Hol		Top Recorder # Mid Recorder # Bott Recorder #	13767		
# of Packers Mud Type Mud Weight	Gel Chem	Packer Siz Viscosity	e6 3/4 55.0	Time on Site	Jars & Safety - 3:00 PM	Approved By Joint	
Filtrate Drill Collar Len Wght Pipe Len		Chlorides	9200	Tool Picked Up Tool Layed Dwi Elevation		Kelley Bushings 12	252.00
Formation Interval Top Anchor Len Be Total Depth Blow Type	4410.0 Weak blow bu blow back dur	Bottom Between ilding to st ing initial s nal flow per	hut-in period. V	Start Date/Time End Date/Time nutes into initial flo Veak blow building v back during final s	AM Face		

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
165 30	Gas in pipe Gassy oil cut mud Gassy oil and water cut mud Gassy mud cut oil in tool sample	100%2430ft 11% 18.2ft 27% 8.1ft 11% 0.1ft	0% Oft 3% 5ft 9% 2.7ft 84% 0.8ft	0% Oft 0% Oft 5% 1.5ft 0% Oft	0% Oft 86% 141.9ft 59% 17.7ft 5% Oft

2

DST Fluids 21000

KETTS TESTING

(620) 326-5830

COMPANY

VESS OIL CORPORATION

LEASE AND WELL NO. NETAHLA #1

SEC. 5

_TWP. 34S

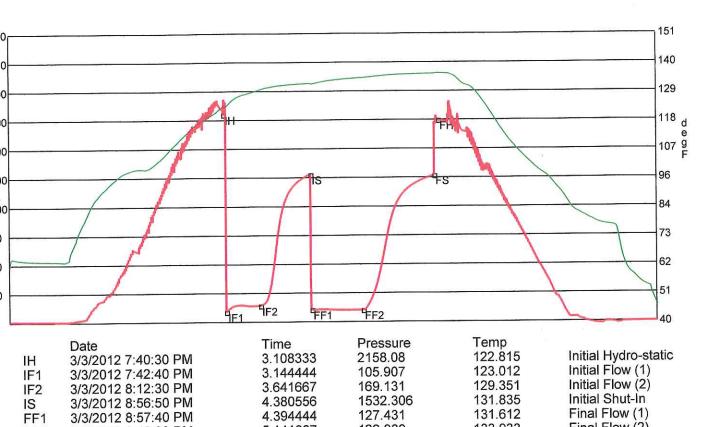
RGE.

4W

TEST NO.

1

DATE 3-2-12



3/3/2012 10:44:50 PM 6.180556 1	22.989 133.933 521.38 135.479 095.504 135.655	Final Flow (2) Final Shut-In Final Hydro-static
---------------------------------	-----------------------------------------------------	-------------------------------------------------------

S FLOWS

FF2

FS

FH

Into IFP	Min Into FFP	Gas Flows	Pressure	Choke

RICKETT	S TES TING	6		(620) 326-5830	Page	Page 1		
Company Address CSZ Attn.	Vess Oil Cor 1700 Waterfr Wichita, KS (Roger Martin	ont Pkwy Blo 37206	dg 500	Lease Name Lease # Legal Desc Section Township County Drilling Cont	Netahla C 1 W/2 W/2 W/2 5 34S Sumner Val Drilling #3	Job Ticket 3 4 Range 4 1 State K	W	
Comments	Field: Gerbe	rding		Drining Oort	Var Drining #5			
GENERAL	INFORMATIC	ON		Chakaa	2/4			
Test # 2 Tester Test Type	Jimmy Ricke Conventiona Mis-run			Chokes Top Recorder # Mid Recorder # Bott Recorder #	:	Hole Size 77/8		
# of Packers Mud Type Mud Weight Filtrate	Gel Chem 9.3 10.4	Packer Siz Viscosity Chlorides	e63/4 53.0 9200	Mileage Standby Time Extra Equipmnt Time on Site Tool Picked Up	204 13.33 Jars & Safety - 11:00 AM 12:00 PM	Approved By Joint		
Drill Collar Lei Wght Pipe Lei	n O	Chiendes	3200	Tool Layed Dwi Elevation		Kelley Bushings 1252	.00	
Formation Interval Top Anchor Len Be Total Depth	Misssissippi 4410.0 elow 15.0 4425.0	an Bottom Between	4425.0 0		≥2/3/2012 11:33 2/3/2012 9:18 F			
Blow Type	Tool slid ove			ing to 4 inches initial w period. Times: 31				

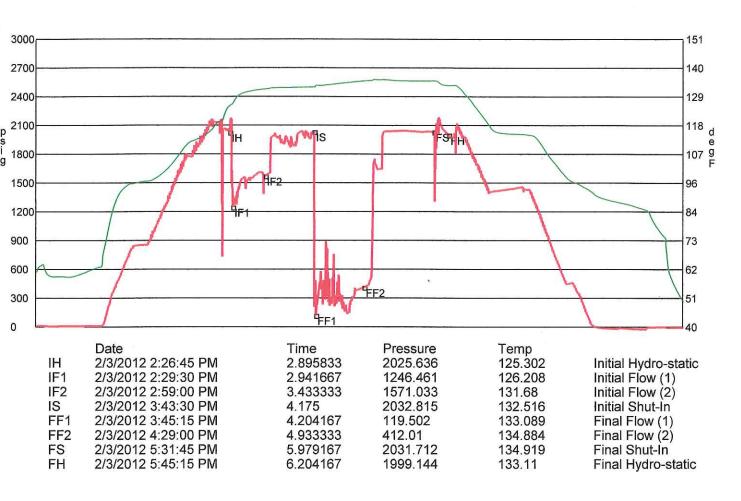
RECOVERY

Feet	Description	Gas		Oil	<u> </u>	Wate	er	Mud	
65 60 1	Drilling mud with trace oil Water cut mud with trace oil Oil and heavy mud cut water in tool sample	0% 0% 0%	Oft Oft Oft	trace trace 2%		0% 5% 56%	Oft 3ft 0.6ft	100% 95% 42%	57ft

DST Fluids 34000

RICKETTS TESTING

(620) 326-5830



GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke	

COMPANY

VESS OIL

#1

J

ATTACHMENT TO ACO-1

Netahla C-1 2640'FNL, 330'FWL Sec. 5-34S-R04W Sumner County, KS

DST #1 4385-4410 Zone: MISSISSIPPI CHERT POROSITY(4400-4410) Times: 30-45-45-62 1st open: 4 min=3", 14 min btm bkt no gas Surface BB 2nd open btm bkt 1 min, BB of 3" IHP: 2158 FHP: 2095 IFP: 106-109 FFP: 127-123 ISIP: 1532 FSIP: 1521 TEMP: 136 Rec: 2430' GIP, 165' GOCM(11-G,3-O,86-M) 30' GOWCM(27-G,9-O,5-W,59-M) TOOL: GMCO(11-G, 84-O, 5-M) CL 21000

DST #2 4410-4425 Zone: MISSISSIPPI CHERT POROSITY(4410-4422) Times: 31-45-45-63 1st open: Slid tool 20' Weak built to 4" 2nd open Weak built to 6" IHP: 2025 FHP: 1999 MISRUN IFP: FFP: ISIP: FSIP: Rec: 65' Mud(TR O) 60' WCM(TR-O, 5-W, 95-M) TOOL: OHMCW(2-O, 56-W, 42-M) CL 34000 Offset Miss=130000

	GEO PICK	LOG TOPS
SAMPLE TOPS	NETAHLA C1	NETAHLA C1
	KB 1252	KB 1252
OREAD	2903 -1651	2904 -1652
HEEBNER	2939 -1687	2944 -1692
STALNAKER SAND	3380 -2128	3400 -2148
KC	3638 -2386	3635 -2385
HERTHA	3855 -2603	3855 -2603
B/KC	3876 -2624	3875 -2623
MARMATON	3966 -2714	3968 -2716
CHEROKEE	4107 -2855	4108 -2856
MISSISSIPPI	4322 -3070	4322 -3070
MISS CHERT POR	4400 -3148	4400 -3148
BASE POR	4422 -3170	4423 -3171
MISS LIME	4422 -3170	4423 -3171
PTD	4481 -3229	4481 -3229

	LIDATED Services, LLC	Consolidated Oil De	pt. 970	es, LLC	F Chanut 620/431-9210 • 1~8	AIN OFFICE P.O. Box 884 e, KS 66720 00/467-8676 20/431-0012
M	AR () & 2012		3ox 4346 X 77210-434	6		
INVOICE			<u> </u>		Invoice #	248070
Invoice Date: 02	======================================	======================================	======== ,n/30		Pa	ige 1
VESS OIL COR 1700 WATER F WICHITA KS (316)682-153	RONT PKWAY 67226	вьр 500	NETAHI 36074 5-345- 02-24- KS			
					======================	
Part Number 1104S 1102 1118B 1107 4432	CALCIUM PREMIUM FLO-SEA	otion A" CEMENT (SA 1 CHLORIDE (50 1 GEL / BENTON 1L (25#) WOODEN PLUG	#) ,	Qty 225.00 560.00 500.00 100.00 1.00	Unit Price 17.6500 .8900 .2500 2.8200 110.0000	Total 3971.25 498.40 125.00 282.00 110.00
MISC 8 5/8" PLU	E DELIVERY			Hours 634.80 1.00 60.00 1.00 9.00	Unit Price 1.67 1085.00 5.00 325.00 .00	Total 1060.12 1085.00 300.00 325.00 .00
			,			
Labor: •	<pre>====================================</pre>	.00	Tax: Total: Change:	8120.	03 AR 80 00 ============	8120.80
Signed	、				Date	
BARTLESVILLE, OK EL DOF 918/338-0808 316/3	RADO, KS EUREKA, 22-7022 620/583-7	KS PONCA CITY, OK 7664 580/762-2303	OAKLEY, KS 785/672-2227	OTTAWA, KS 785/242-4044	Thayer, Ks 620/839-5269	GILLETTE, WY 307/686-4914

.

CONSOLIDA	n, LLG	$\mathbf{\nabla}$	TERED	TICKET NUMB	180 EIG	lorado
PO Box 884, Chanute, KS 6672	20 FIELD TICKE				~ · ~ ~	
620-431-9210 or 800-467-8676				15-191-2		the second s
DATE CUSTOMER #	WELL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
2-24-12 8511	Netahla C	#1	5	345	4~	Scampe-
CUSTOMER		Sufty				CONTRACTOR DE LA CONTRACTÓR DE LA CONTRACT
vess oil		meaning	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			446 (Jerild		
1700 water from	nt Parking Bld 500	Jet	442	Mark		
CITY	STATE ZIP CODE	v . v	511	Jacob		
Witchitter	KS 67226	m.g,				
JOB TYPE Surface B	HOLE SIZE 121/4		1340	CASING SIZE & W	ieight <u>8%</u>	•
CASING DEPTH 30 291		TUBING			OTHER	
SLURRY WEIGHT 14,515	SLURRY VOL	WATER gal/s	ik	CEMENT LEFT In	CASING_16+	¥
DISPLACEMENT	DISPLACEMENT PSI 200	MIX PSI 20	0	RATE 6 6pm	.	<u> </u>
REMARKS: Safty meat			upred 10 bk	1 - Freshwate	- flush,	mixed 2255t
CLASS A 34CC 3%	acel 1/2 1/2 poly di	optaced	with 17b	bl water e	curculating	concert to
Surface, Shut in.		¥	<u> </u>			
t	· · · · · · · · · · · · · · · · · · ·		·			
		-				

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	}	PUMP CHARGE	1085.00	1085.00
5406	60	MILEAGE	5.00	300.00
5407A	60	X 10,58 Ton mileage X	1.67	1060.12
11045	225	class A	17.65	3971.25
102	560	Calcium chloride	0.89	498.40
	500	961	0.25	125.00
111 <u>8</u> B 1107	100	poly-Flake	2.82	282.00
4432	1	85/8 Vorden plug	110.00	110.00
		85/2 01-5 500+5 045	325.00	325.00
<u>5618</u> 5404	3	85/8 plug contance personnel stand by on Location X3X		N/C
			Substal	7756.77
			SALES TAX	364.03
Ravin 3737		248010	ESTIMATED TOTAL	8120.8C
AUTHORIZTION	oradauds		DATE 2-24	<u>4-12</u>

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.

Zaran a sa s		PAGE	G	UST NO	INVOICE DATE
	1	l of 1	1(004542	03/08/2012
		I	II	VOICE NUMBI	
MAR 1 2 2012			171	8 - 9084989	1
ENERGY SERVICES	L		1/1	0-000+003	+
Pratt (620) 672-1201	J	LEASE NAM	S.	Netahla C 1	
B VESS OIL CORPORATION	O B	LOCATION	· ·		
¹ 1700 WATERFRONT PKWY BLDG 500		COUNTY		Sumner	
L WICHITA	S I	STATE		KS	
KS US 67206	т	JOB DESCR	c	Cement-New We	ll Casing/Pi
T O ATTN: ACCOUNTS PAYABLE	E	JOB CONTAG	ст		
p	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
JOB # EQUIPMENT # PURC	HASE	ORDER NO.		TERMS	DUE DATE
40438622 19843				Net - 30 days	04/07/2012
		OTY	Uof	UNIT PRICE	INVOICE AMOUN
		2	M		
For Service Dates: 03/07/2012 to 03/07/2012		-			
0040438622					
					· .
171804649A Cement-New Well Casing/Pi 03/07/2012					
and the second states of the second second					
AA2.Cement.	- 12 X	125.00	1 .	13.43	,
Celloflake	1997 - N. 1		EA ····	19.48 2.92	
C-41P		24.00	1	3.16	
Salt		635.00	1	0.40	
Cement Friction Reducer		36.00	EA	4.74	
FLA-322		59.00		5.93	
Latch Down Plug & Baffle 5 1/2" (Blue) Auto Fill Float Shoe 5 1/2" (Blue)		1.00		316.01 284.41	
Turbolizer 5 1/2" (Blue)				86.90	
5 1/2" Basket	-		EA	229.11	
Mud Flush		500.00	EA	0.68	
Heavy Equipment Mileage		170.00		5.53	{
Proppant and Bulk Delivery Charge		684.00		1.26	
Blending & Mixing Service Charge Unit Mileage Charge-Pickups, Vans & Cars		175.00 85.00	1	3.36	1
Depth Charge; 4001-5000'		1.00	1	1,990.84	
Plug Container Utilization Charge		1.00) EA	197.51	
Casing Swivel Rental		1.00		158.01	
Service Supervisor		1.00	HR	138.25	138
	·		<u> </u>	l	<u> </u>
PLEASE REMIT TO: SEND OTHER CO	ORRES	SPONDENCE 7	:0:	SUB TOTAL	9,552.
BASIC ENERGY SERVICES, LP BASIC ENERGY		VICES, LP		TAX	233.
PO BOX 841903 PO BOX 10460 DALLAS,TX 75284-1903 MIDLAND,TX 7			1' NT	OICE TOTAL	233. 9,785.
					• • • • •

2011年1月1日 2011年1月1日 2011年1月1日
BASIC
ENERGY SERVICES

10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 04649 Α

DATE TICKET NO.

JOB 3 7 JO	STRICT PRATTY	13.		NEW WELL			
CUSTOMER UE						ETA	HLA C' WELL NO. /
ADDRESS						SUMA	IER STATE KS.
CITY STATE AUTHORIZED BY				SERVICE CR	rew Ze	SLEY, MARQUEZ, MCGRAW	
AUTHORIZED BY					JOB TYPE:	<i>~</i> •	
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQL	IIPMENT#	HRS	TRUCK CALLED 3 () DATE AM JO COS
31586	2					l	ARRIVED AT JOB
<u>19029-19243</u>	$\frac{\partial}{\partial t}$					-	START OPERATION AM 10:30
<u> 19826 - 19860</u>	α						FINISH OPERATION 377 1 20 MM 12:35
ala d		· · · · · · · · · · · · · · · · · · ·					RELEASED Am M 1.25
							MILES FROM STATION TO WELL

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP. $\frac{1}{(2m^2)}$ 1. 14 1.3 SIGNED:_

, 1				(WELL OWN	ER, OPERATOR, C	CONT	RACTOR OR AG	ENT)
ITEM/PRICE REF, NO,	MATERIAL, EQUIPMENT AND SERVICES	S USED I	UNIT	QUANTITY	UNIT PRICE	Ξ	\$ AMOUN	т
CP 105	AN D.CEMENT	 - *- 	SK	125			2,125	∞
CP 103	61/40.702		ЪК	<u> </u>			1000	QV.
C.C. 10Q	CEU TINKE		16	3.2 1	/		118	dr:
CC 105	0.4112		b	24/1	é		- 76	XJ
CC. 111	Siller		115	635'	- <u></u>		317	50
CC 112	CEMPAT FRICTION REDUCE	72	112	26 -			2110	$\langle \mathbf{x} \rangle$
CC 129	FIA-3.22.		16	591			440	\leq
CELOOT.	LATCH DENON TRUCTERATERE,	<u>-51/2" (</u>	71		and the second of the second o		4145	20
08-1251	POTOFIC FLOAT SHOE 51/2"	Ê	2/1	1			_ 360	<u>00</u>
CI 1867	108POL1202,512"	Z	<u>PA</u>	10			<u>(al.(</u>	1.1.
<u>0 F1901</u>	13415KKT, 53/2"		<u>EP</u>				<u>. 340</u>	$ \mathcal{L} $
CC 151	MUDICISH		AL	500			4201	25
6 100	PICKUP MILENGE	ł	$2(\mathcal{T})$	85/			<u>3(6]</u>	25
E 101	HEANSTEGORATEAN AMERICA	Set V	1.L	170			1190	$ \infty $
2 113	BUCK DECIVERY CHARGE	7	iN1	684	<u>.</u>		1094	30
26 205	DEPTH CHARGE, Mart Seco		R	11	······		2,5.90	
<u>CC 246 -</u>	BLENDING SERVICE CHINGE		<u>SR</u>	125			245	$\langle \Sigma \rangle$
CE 501,	CASING SISTURE RENTINE		<u>(/-)</u>	1			<u> </u>	$\gamma >$
<u>28 564</u>	PLOG CONTINNED CUNRGE		<u>YNB</u>				<u>4 250</u>	$ \infty $
<u> </u>	<u> </u>	C:	21	1 1	75 ²⁹ ѕив то ЪСS	TAL	9,552	. 2
		SERVICE & EQUIPME	ENT	%ТА	X ON \$		7	
		MATERIALS		%TA	X ON \$			
		x			то	TAL		
								Ì
,								
SERVICE REPRESENTATI		ATERIAL AND SERVIC	EIVE			1 3 1 3		
FIELD SERVICE	OBDEB NO.	(M	ELL O	WNER OPERAT	FOR CONTRACTO	ROR	AGENT)	



TREATMENT REPORT

Customer /	IESS C	It. Cop	ZP. Lease		2			Date	>		10
	TAHL	9 °C	/ Well #	1		÷		<u> </u>	5-7	- 20	12
Field Order #	Station	PRAT	- Ks.		Casing /	/ / Depth		County <	JUMILE	- <u>R</u>	State K5.
Type Job	KIW -	51/2"1	<u>S.</u>	· .	-	Formation	448	1	Legal D	escription	40
PIPE	E DATA	PERF	ORATING DA	ТА	FLUID U	JSED	,	TRI	EATMENT	RESUME	Ē
Casing Size	Tubing Siz	e Shots/F	t Chit	- 2	Acid SKS. SLAVENCE 2 RATE PRE				RESS	ISIP	
Pepth 83. 2		From	· To	P	re Pad 7.5	Ucuri ³	Max			5 Min.	
/olume_ /CY_e_7_BB		From	TS-117	P	955K5 /-1	VA-2	Min	5.1-6) <u>2.02</u> (10 Min.	• • • •
Max Press	Max Press	³ From	То	F	rac @ 1.3(oeurt	Avg			15 Min.	
Vell Connectio	on Annulus V	ol. From	То		· .		HHP Us	ed		Annulus	Pressure
Plug Depth) Packer De	epth From	То			-1120	Gas Volu	2844554495749524949749494949		Total Loa	
Customer Rep		AGES Co.	175 ^{SI}	ation Ma	anager D.	Stor		Treater	K.LE	ŝĹEIJ	
Service Units	37596	19889	19843 19	14DC							
Driver Names	LESIET	MARQUEZ	M	eGran		•					
Time	Casing Pressure	Tubing Pressure	Bbis. Pumped		Rate			S	ervice Log	-	·
7.15.Pm						ONLO	CAT	ION-J	SAFET	<u>I MEE</u>	TING
3:30PM						SPOT	TRU	CKS CI	<u>NIOCI</u>	<u>ITION</u>	<u> </u>
2:30AM	-					RUN 1	CLO.ST	s. 5/z	" <u>x 15.</u>	5	·
Š,						TURBO 1, 2, 3, 6, 9, 12 BASK					2 - 12
0:15 Pm	· ·					CSG.	<u>OK</u>	Bont	. /		
				<u> </u>	·····	HODK	<u>0270</u>	<u>D CEG.</u>	<u>TBRE.</u>	AK CH	20. W/121/4
1:45Pm	250		12		6	MUDI	<u> 12.000</u>	5/1	21. 		
1:47PM	250		.5		<u>lo</u>	1100.	SPAC	<u>ER</u>	atter and and	$\sim \pi$	
1:48Pm			.5	· .	6			<u>SCAVE</u>		· · · · · · · · · · · · · · · · · · ·	<u>PPG</u>
1:53Pm	200	·	30		<u>lo</u> .	MIXE	<u>155K5</u>	. <u>AA-</u>	<u>201</u>	<u>5.31</u>	PG DRUPL.D.
1:5571						SHUT	<u>Ution 1</u>	- CLEAL	<u>CPUMP</u>	ELINE-	DROPT.D.
12:00 RM	\bigcirc		\bigcirc		726			SPLAC.		\overline{T}	
12:28An	300	· · ·	<u>- 80</u>		6	1		FSSOR	<u> </u>		
kt 301m	500		90		.5	SLOW			1		
12:35Am	1500		1010		4	PLUE	<u>i Dou</u>	UN-1-	ICLD	ATAA	1 LAND
			,			· · · · · · · · · · · · · · · · · · ·				CIKC,	WIMUD_
		·	10,4			PLUE	$h \not \sim H$	<u>2 pM.</u>	<u>-</u> <u> </u> - <u> </u> .		·
		· · ·				<u> </u>	1				
				·			<u></u>	<u>5B Col</u> TF	MPLER	<u></u>	
			•	_	-			TE	<u>INNKS</u>	·····	SLEV
	l .	1				1 .			KEIA	= 1/E	368-11

Taylor Printing, Inc. 620-672-3656

INDEPEND		R L. MART EUM GEOLOGIST		-250-6970		
		GIST'S REP				
COMPANY <u>VESS OIL COP</u> LEASE <u>NETAHLA 'C' #1</u>	KB	ELEVATIONS 3 <u>1252' GL 1242'</u>				
FIELDGERBERDING	NEXTERN	easurements Are All				
LOCATION 2640' FNL 330		From KB				
SECTION <u>5</u> TOWNSHI COUNTY <u>SUMNER</u>	P_34SI		API —	<u>15-191-</u>	<u>22637-00-</u> 00	
CONTRACTOR VAL ENE				CACINI	-	
SPUD $\frac{02/24/2012}{2}$ (5/2012	SUR	CASIN FACE <u>7 jts 845/8</u>		
RTD 4481' (-3229)			27	t @ 290' w/225 sx ·		
ELECTRIC LOG-TECH: CASED HOLE GR				106 JUCTION 106 J	<u>(5 561/2 15#/IC</u>	
NO OH LOGS	LOG SAMPLES		┢	CHRONOLOGY		
ELGIN	NP	NP	F			
OREAD	2904' (-1652) 2944' (-1692)	2903' (-1651) 2939' (-1687)	SPUD M	012- MIRU VAL ENERG OUSEHOLE @ 9:45 Pt	M, DRLD RATHOLE	
STALNAKER	3400' (•2148)	3380' (-2128)	02/24/2012- SPUD 12&1/4" HOLE @ 4:30 AM. TD @ 290' @ 3:30 PM. SHS 1 1/4 DEG, RUN 7 JTS 8&5/8" 24#/FT LS CASING, TALLY = 278', SET @ 290' KB, CONSOLIDATED CEMENTED W/225 SX CLASS A 2% GEL, 3% CC, CIRC, 17 BBL TO PIT, PLUG DOWN @ 6:15 PM. 02/25/2012- DRLG @ 388' @ 7 AM			
LAYTON KANSAS CITY	NP 3635' (-2385)	NP 3638' (-2386)				
HERTHA	3855' (-2603)	3855' (-2603)	02/25/2012- DRLG @ 366' @ 7 AM. 02/26/2012- DRLG @ 1360' @ 7 AM. 02/27/2012- DRLG @ 2105' @ 7 AM. 02/28/2012- DRLG @ 2825' @ 7 AM.			
B/KANSAS CITY MARMATON	3875' (-2623) 3968' (-2716)	3876' (-2624) 3966' (-2714)	DISPLACED MUD, MW 8.8, VIS 41 02/29/2012- DRLG @ 3624, MW 9.2, VIS 41, WL 12, LCM 2#, CL 14K			
CHEROKEE	4108' (-2856)	4107' (-2855)	VIS 50, V 03/02/20	2012- DRLG @ 4058', MW 9.3, , WL 9, LCM 2#, CL 9200 2012- DRLG @ 4395', MW 9.4,		
MISSISSIPPIAN MISS CHERT POROSITY	4322' (-3070) 4400' (-3148)	4322' (-3070) 4400' (-3148)	03/03/20	, WL 10.4, LCM 4#, CL 9200 2012- CIRC @ 4420' FOR DST #2. 2012- DOWN FOR REPAIRS @ 4425'.		
B/MISS POR	/MISS POR 4423' (-3171) 4422' (-3170) F			5/2012- DOWN FOR REPAIRS @ 4425'. ED BY 3:00 PM. RECOND. MUD, CL 50K 6/2012- TD @ 4481' @ 6:30 AM.		
MISS LIME RTD/LTD	4423' (-3171) 4481' (-3229)	4422' (-3170) 4481' (-3229)	BOTTOM	9.1, VIS 49, WL 8, CL 10K. CIRC ON TOM, SHORT TRIP 7 STANDS, CIRC ORE LAY DOWN.		
LOG TOPS BY PJR, VOC						
	SET SLIPS AND CUT : 15 SX. d,	# @ 12:35 AM, 03/07/2012. OFF CASING. PLUG RATHOL	E:			
LITH MIN/FT DST	1	E DESCRIPTION micac, sm blk carb SH.	Ĩ	REMA	IRKS	
	SILTS- SH: AA, Ind					
	SH- SILTS: AA					
		dst Wkst, Pr-NVP.				
	NELSONIARINE SC	r-bn, dn Mdst- Wkst, Rrfos Pks	53	2903' (-1651) OREAD		
	LS: AA, argiŀ dn.					
	SH: AA.					
	{HEEBNER} SH: bi LS: AA, argil-dn. SH: bk carb.	lk carb.		2939' (-1687) HEEBNER		
	LS: AA. SH: bk carb & gy, s	sm micac.				
	SH: gy-blk, sm.car well.cmt*d, PrPor.	rb, & SILTS & SS-SD CLUST:	gy,sibly,		WT 9.0 VIS 44 PV 7 YP 15 WL 12.0 pH 10.0 LCM 2# CI 14K	
	LS: tn-gy-bn, dn M	dst-Wkst, RrPkst.				
	argil LS: cm-tn, m× & SH: It-dk gn & gy	-fn×ln, sm Pkstw/Pr-Fr Por. N r&sm blk carb.	NS.			
	(Abndt LS AA, NS.))				

			3750 3800 3800 	 LS: th-gy-wh, me freih- 2RX, Rr Fr. 6d Por: vug Por, I. 6r Por, IX Por, Abndt dn- Pr Por. LS: th-gy-wh, sm mot, me frixin, sm md-ois 2RX, sm ool & tos Pkst, VR roomide, sm Fr. 6d Por AA & VSI Cherty, the FLR & mspts F. Dillon bik, mFr 6 & IX Por. TSFO. LS: om-th-gy, dn- me Rr frixin, the mdx-orse 2RX, sm free Pkst, Pred VPr. NVP, for FP For: the mFe Por, IX Por w/FLR, Tro SFO, it STN & Cut, pred dn- barren. SH: bk oarb. LS: AA, Rr Por, pred dn Mdst- Wkst, the 6d oomide Por & vug Por-barren. SH: SILTS: gn-gy & sm bk carb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: H gy, vfn 6rd, well omfd, cale, micae, silty, VPr. NVP. NS. LS: om-th-gy-bn, pred dn- me: frix, sm argil, VRr vug Por, pred Pr. NVP. NS. LS: om-th & dk gyy-bn, sm mot, me frixin, pred dn, sm argil, VPr. NVP. NS. LS: om-th, WR md/s- 2RX, Rr Pkst w/Pr. Fr vug & mide Por. NS. SH: bk carb- v.carb. (HERTHA] LS: in-gy-wh, sm dn hd Mdst, sm me frixin, vfr prt Mde 2RX, VR Pt. Fr visb1Por: pp Por, Mor, VSI Cherty, Rr wh-ohky, sm argil, Tro stPol. mspts F. Oil on bik. >99% barren. (B/KANSAS CITY] LS: gy-bn-th, dn, me: frix, sm argil, eherty. & SH: dk gy-bk, sm din hd Mdst, sm me frixin, vfr pt Mde 2RX, VR Pt. Fr visb1Por: pp Por, w/NS. SH: bk subcarb- v.carb & dk gy & gn-gy. LS: th-gy-om, sm mot, dn-mie frix, sm Pkst, Pr Por, sm wh-ohky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: th-gy-om, sm mot, dn-mie frix, sm Pkst, Pr Por, sm wh-ohkky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: th-gy-om, sm mot, dn-mie frix, sm Pkst, Pr Por, sm wh-ohkky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: th-gy-om, sm mot, dn-mie frix, sm Pkst, Pr Por, sm wh-ohkky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: th-gy-om, sm mot, dn-mie frix, sm Pkst, Pr Por, sm wh-ohkky, Pr NVP, SI Cherty. Tro Wh-fos Chert. LS: th-gy-om, sm thet dn-mie frix, sm Pkst, Pr Por, sm wh-ohkky, Pr NVP, SI Cherty. Tho Wh, Si & S	Trc SFO Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624) B/KANSAS CITY 3966' (-2714) MARMATON	wt 9.4 vis 47 wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2# wt 9.2 vis 45 LCM 2# wt 9.1 vis 54 LCM 2# wt 9.2 vis 49 LCM 2# wt 9.2 vis 49 LCM 2# vis 51 LCM 2#
			3800	 LS: th-gy-wh, mo: frich- 2RX, Rt Fr. & d Por: vug Por, L&P Por, D: Por, Abndt dn- Pr Por. LS: th-gy-wh, sm mot, mo: frich, sm md-ots 2RX, sm ool & tos Fkst, VR1 comildo, sm Fr. & d Por AA & VS1 Cherty, tor FLR, & mspt F. Coll on bik, mFr & d K Por, TSN WFLR, Tro SPO, it STN & Cut, pred dn- barren. SH: bik arb. LS: an-th-gy, dn- mo: R fridh, tho mdo: erso: 2RX, sm free WFLR, Tro SPO, it STN & Cut, pred dn- barren. SH: bik arb. LS: AA, RT Por, pred dn Mdst: Wikst, tho 6d oomido Por & weig Por-barren. SH: SILTS: gn-gy & sm bik carb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS: SD CLUST: H gy, vfn & Grd, weil omfd, calo, micao, silty, VPr NVP, NS. LS: om-th-gy-bn, pred dn- mo: fric, sm argil, VRr vug Por, pred Pr. NVP. NS. LS: om-th, add gyp-bn, sm mot, mo: frich, pred dn, sm argil, VPr. NVP. NS. LS: om-th, add gyp-bn, sm mot, mo: frich, pred dn, sm argil, VPr. NVP. NS. LS: om-th, add gyp-bn, sm dn hd Mdst, sm mo: frich, VR pri Mds: 2RX, VR ir Pr. Fr visbi Por: pp Por, mIX Por, VSI Cherty, R. Twh-chiky, sm rajil. Tro spf d FLR, Tro SFO, mspfs F. Oli on bik. >90% barren. (BKANSAS CITY] LS: gy-bn-th, dn, me: frid, sm argil, cherty, & SH: dk gy-bk, sm cale & imy, sm bik carb. SH: bk subcarb- v. carb & dk gy & gn-gy. LS: th-gy-om, sm mot, dn-mo: frid, sm Rist, Pr Por, sm wh-chiky, Pr NVP, SI Cherty, tro wh-fos Chert. LS: th-gy-om, sm mot, dn-mo: frid, sm Rist, Pr Por, sm who-hiky, Pr NVP, SI Cherty, tro wh-fos Chert. SH: AA (& LS: AA) (~50% SH 50% LS) (MARMATON] LS: th-gy-om, dn & me: frid, Rr Wikst- Pikst, VPr. PT or, sm VNP, Rr who-chiky, NS. SH: bk and & gn-gy. LS: AA, dn-ohky, VR r Pkst, WPr. NVP, sm chiky, NS. SH: bk and & gn-gy. LS: AA, dn-ohky, VR r Pkst, Pr- NVP, NS. SH: Sh, and & gn-gy. SH: Sh, and & dik carb. Abndt LS: th wh, dn, mid-chiky, VPr. NVP. NPr. NVP. 	Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624) B/KANSA S CITY 3966' (-2714)	LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2# wt 9.2 vis 45 LCM 2# wt 9.1 vis 54 LCM 2#
			3800	 LS: tn-gy-wh, moe finch- 2RX, RT Fr- 6d Por: vug Por, I. 9T Por, IX Por, Abndt dn- PT Por. LS: tn-gy-wh, sm mot, moe finch, sm md-ots 2RX, sm ool & fos PKst, VR roomlde, sm Fr- 6d Por AA & VSI Cherky, tro FLR & mspt's F. Oil on bik, mFro & LX Por, TSFO. LS: om-tn-gy, dn- moe RT finch, tro mdx- orse- 2RX, sm fos Pkst, Pred VPr- NVP, tro FT Por, ito mFro Por, IX. Por wirFLR, Tro SFO, R STN & Cut, pred dn- barren. SH: bk carb. LS: AA, RT Por, pred dn Mdst- Wikst, tro Gd oomido Por & vug Por- barren. SH: AI & SILTS: gn-gy & sm bk carb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: It gy, vfn 0°d, well cmfd, cale, micae, sity, VPr- NVP. NS. LS: om-tn & dk gyy-bn, sm mot, moe finkh, pred dn, sm argil, VPr- NVP. NS. LS: om-tn & Kdk gyy-bn, sm mot, moe finkh, pred dn, sm argil, VPr- NVP. NS. SH: bk carb- v.carb. (HER THA] LS: tn-gy-wh, sm dn hd Mdst; sm mse finkh, vR prt Mdx 2RX, VR if Pr Fr visbl Por: pp Por, mIX Por, vug & mido Por. NS. SH: bk carb- v.carb. (B/KAN SAS CITY) LS: gy-bn-tn, dn, mo- fink, sm argil, oherty, & SH: dk gy-bk, sm cale & imy, sm bit carb. SH: AA, & gn-gy, & LS: AA, pred dn to Pr Por w/NS. SH: bk subcarb- v.carb & dk gy & gn-gy. LS: tn-gy-om, sm mot, dn-moe fink, sm Pist, Pr Por, sm whenhiky, Pr. NVP, SI Cherty: trowhofs Chert. LS: tn-gy-owh, pred dn- mix & sbohlky- chky, VPr. NVP- NS. (LS: AA Abndt dn to chky, Pr. NVP, NS)& SH: Ib dk gn- gy, sm bik carb. (=50% SH 50% LS) (MARMATON], LS: tn-gy-om, dn & me-fink, Rr Wikst- Pkst, VPr. PT Por, sm wwNVP, Rr when chky, NS. SH: bk carb, Gro gy. LS: AA, dn-ohky, VRr PkstwPr NVP, ~30% SH- SILTS: AA, 	Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624) B/KANSA S CITY 3966' (-2714)	LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2# wt 9.2 vis 45 LCM 2# wt 9.1 vis 54 LCM 2# wt 9.2 vis 49
			3800	 LS: tn-gy-wh, mx-fm/h-2RX, Rr Fr- Gd Por: vug Por, I.Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mx-fn/h, sm md-ois 2RX, sm ool & fos Pkst, VR roomido, sm Fr- G d Por AA & VSI Cherty, tro FLR & mspt's F.Oil on bit, mFro & IX Por. TSFO. LS: on-tn-gy, dn- mx- Rr fn/h, tro mdx- orsx-2RX, sm fos Pkst, Pred VPr- NVP, For For: tro mFro Por, IX Por w/FLR, Tro SFO, it STN & Cut, pred dn- barren. SH: bk oarb. LS: AA, Rr Por, pred dn Mdst: Wikst, tro Gd oomido Por & vug Por- barren. SH: SILTS: gn-gy & sm bk oarb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: It gy, vfn Grd, well omfd, calo, micao, silty, VPr- NVP. NS. LS: om-tn-gy-bn, pred dn- mx- fn/, sm argil, VRr vug Por, pred Pr- NVP. NS. LS: om-tn & dk gyy-bn, sm mot, mx- fn/h, pred dn, sm argil, VPr- NVP. NS. LS: om-tn, mx- fn/h, VRr md/S- 2RX, Rr Pkst w/Pr- Fr vug & mido Por. NS. SH: bk carb- v.carb. (HER THA) LS: tn-gy-wh, sm dn hd Mdst, sm mxe fn/h, vRr ptt Mdx- 2RX, VRI PF- Fr visbi Por: pp Por, miX Por, VSI Cherty, Rr wh-ohky, sm argil, Tros pf d FLR, Tro SFO, mspt's F. Oil on bitk. >899 % barren. (B/KANSAS C ITY] LS: gy-bn-tn, dn, mxe-fn/, sm argil, cherty. & SH: dk gy-bk, sm calo & limy, sm bik carb. SH: bk subcarb- v.carb & dk gy & gn-gy. LS: tn-gy-om, sm mot, dn-mxe fn/h, sm Pkst, Pr Por, sm wh-ohiky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: tn-gy-om, sm mot, dn-mxe fn/h, sm Pkst, Pr Por, sm wh-ohiky, Pr NVP, SI Cherty: tro wh-fos Chert. LS: tn-gy-wh, pred dn- mx & sbohiky- ohky, VPr- NVP. NS. (LS: AA- Abndt dn to ohky, Pr- NVP, NS) & SH: 16-dk gn- gy, sm bik carb. (~50% SH 60% LS). 	Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624)	LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2# wt 9.2 vis 45 LCM 2# wt 9.1 vis 54 LCM 2# wt 9.2 vis 49
			3800	 LS: tn-gy-wh, mxe freih- 2RX, Rr Fr- 6d Por: vug Por, I. Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mxe freih, sm md-ers 2RX, sm ool & fos Pikst, VR roomido, sm Fr- 6d Por AA & VSI Cherty, tro FLR & mspt's F. Oli on bik, mFro & IX Por. TSFO. LS: em-tn-gy, dn- mxe Rf treih, tro mdxe orsxe 2RX, sm fos Pikst, Pred VPr- NVP, tro Fr Por: tro mFro Por, IX Por w/FLR, Tro SFO, tt STN & Cut, pred dn- barren. SH: bk oarb. LS: AA, Rr Por, pred dn Mdst- Wikst, tro 6d oomide Por & vug Por- barren. SH: SILTS: gn-gy & sm bk oarb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: It gy, vfn 6r'd, well omt'd, calo, micao, silty, VPr- NVP. NS. LS: om-tn-gy-bn, pred dn- mxe frex, sm argil, VRr vug Por, pred Pr- NVP. NS. LS: om-tn & dk gyy-bn, sm mot, mxe frexin, pred dn, sm argil, VPr- NVP. NS. LS: om-tn & troxin, VR r mdx's- 2RX, Rr Pikst w/Pr. Fr vug & mide Por. NS. SH: bk carb- v.carb. (HERTHA) LS: tn-gy-wh, sm dn hd Mdst, sm mxe frexin, vRr ptf Mdx- 2RX, VR r Pr Fr visib Por: pp Por, mIX Por, VSI Cherty, Rr wh-ehky, sm argit. Tro spt'd FLR, Tro SFO, mspt's F. Oil on bik. >99% barren. (B/KANSAS CITY) LS: gy-bn-tn, dn, mc- frex, sm argil, cherty. & SH: dk gy-bk, sm cale & imy, sm blk carb. SH: AA, & gn-gy. & LS: AA, pred dn to Pr Por w/NS. 	Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624)	LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2# wt 9.2 vis 45 LCM 2#
			3800	LS: tn-gy-wh, mx fnxln- 2RX, Rr Fr- Gd Por; vug Por, I.Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mx fnxln, sm md-ors 2RX, sm ool & fos Pkst, VRr oomldo, sm Fr- Gd Por AA & VSI Cherty, tro FLR & mspt's F.Oil on bik, mFre & IX Por. TSFO. LS: cm-tn-gy, dn- mx- Rr fnxln, tre mdx- orsx- 2RX, sm fos Pkst, Pred VPr- NVP, tre Fr Por: tre mFre Por, IX Por w/FLR, Tre SFO, it STN & Cut, pred dn- barren. SH: bik carb. LS: AA, Rr Por, pred dn Mdst- Wikst, tre Gd oomlde Por & vug Por- barren. SH: SILTS: gn-gy & sm bik carb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: It gy, vfn Gr'd, well omt'd, cale, micae, silty, VPr- NVP. NS. LS: cm-tn-gy-bn, pred dn- mx- fnx, sm argil, VRr vug Por, pred Pr- NVP. NS. LS: cm-tn & dk gyy-bn, sm mot, mx- fnxln, pred dn, sm argil, VPr- NVP. NS. LS: cm-tn, mc- fnxln, VRr mdx's- 2RX, Rr Pkst w/Pr- Fr vug & mide Por. NS. SH: bik carb- v.carb. {HER THA} LS: tn-gy-wh, sm dn hd Mdst, sm mx- frxln, VSI Cherty, Rr wh-chky, sm argil. Tre spt'd FLR, Tre SFO, mspt's F. Oil on bik. >99% barren.	Trc SFO 3855' (-2603) HERTHA Trc SF O 3876' (-2624)	LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51 LCM 2#
	autodnin Kicked off			 LS: tn-gy-wh, mx-fmxln-2RX, Rr Fr- Gd Por: vug Por, I.Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mx-fnxln, sm md-ors 2RX, sm ool & fos Pkst, VR roomlde, sm Fr- Gd Por AA & VSI Cherty, tre FLR & mspt's F.Oil on bik, mF re & IX Por. TSFO. LS: om-tn-gy, dn- mx- Rr fnxln, tre mdx-orsx-2RX, sm fos Pkst, Pred VPr- NVP, tre Fr Por: tre mF re Por, IX Por w/FLR, Tre SFO, it STN & Cut, pred dn- barren. SH: bk carb. LS: AA, Rr Por, pred dn Mdst- Wkst, tre Gd oomlde Por & vug Por-barren. SH- SILTS: gn-gy & sm bk carb. (LS, AA) & Sndy Silts. SH: AA & SILTS: AA & SS- SD CLUST: It gy, vfn Gr'd, well cmt'd, cale, micae, silty, VPr-NVP. NS. LS: cm-tn-gy-bn, pred dn- mx- fnx, sm argil, VRr vug Por, pred Pr- NVP. NS. LS: cm-tn & dk gyy-bn, sm mot, mx- fnxln, pred dn, sm argil, VPr- NVP. NS. LS: cm-tn, mx- fnxln, VRr mdx's- 2RX, Rr Pkst w/Pr- Fr 		LCM 4# wt 9.2 vis 46 LCM 3# wt 9.4 vis 51
	autodnii kickęd off			LS: tn-gy-wh, mx- frxIn- 2RX, Rr Fr- Gd Por: vug Por, I.Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mx- fnxIn, sm md-ors 2RX, sm ool & fos Pkst, VRr oomlde, sm Fr- Gd Por AA & VSI Cherty, tre FLR & mspt's F.Oil on bik, mFre & IX Por. TSFO. LS: cm-tn-gy, dn- mx- Rr fnxIn, tre mdx- ersx- 2RX, sm fos Pkst, Pred VPr- NVP, tre Fr Por: tre mFre Por, IX Por w/FLR, Tre SFO, It STN & Cut, pred dn- barren. SH: bik carb. LS: AA, Rr Por, pred dn Mdst- Wkst, tre Gd oomlde Por & vug Por- barren.		LCM 4# wt 9.2 vis 46
	autodnii kickęd off		- 3750 -	LS: tn-gy-wh, mx- frxIn- 2RX, Rr Fr- Gd Por; vug Por, I.Gr Por, IX Por. Abndt dn- Pr Por. LS: tn-gy-wh, sm mot, mx- fnxIn, sm md-crs 2RX, sm ool & fos Pkst, VRr oomldc, sm Fr- Gd Por AA & VSI Cherty, tro FLR & mspt's F.Oil on brk, mFre & IX Por. TSFO.		
7				initial of which is first on pp i of, north of, sim unity.		
	6 5	10	3700 - -	 LS: cm-tn, mx- vfnxln, xr mawors xs- 2kx, pred dir F1 Por. NS. LS: cm-tn, mx- vfnxln, sm Fr- Gd pp- vug Por, sm wh- chlky- sbchlky, NS. SI Cherty. LS: wh-tn-gy, mx- fnx, prt chlky, sm ool & fos Pkst, Pr- Fr Por: pp Por, I.Gr Por. NS. SI Cherty. LS: cm-tn-gy, mx- fnx, sm 2RX, Rr Fr- Gd Por: vug Por, mldc Porw/NS. Pr- Fr Por: pp Por, I.Gr Por, sm chlky. 		WT 9.1 VIS 45 PV 11 YP 16 WL 9.0 pH 10.5 LCM 3# CI 11K
X			7.5 5000	3700' sp) LS: cm-tn, mx- fn×ln, Rr md-vcrs X's- 2RX, pred dn- Pr		
			315 715	LS: cm-tn-gy, sm mot, m×- fn×ln, Fr- Gd Por: pp- vug Por, I.Gr Por. NS. SI Cherty. (SI Incrs Fr- Gd Por w/2RX in		
		1.0		LS: cm-tn-gy, mx-fnxln, sm ool & fos Pkstw/Pr-Fr Por, trc Gd Por. NS. sm wh-chky Pkstw/VPr-NVP.		wt 9.2 vis 42
	C		- - 3650	VPr- NVP. & SH: AA (3640' spl).	3638' (-2386) Kansas City	wt 9.2 vis 42
	- C		3600	SH: sm bk carb. pred dk gy, sm calc & Imy. LS: (Rr) tn-gy-bn dn Mdst- Wkst, VRr Pkst, fos, sm argil,		
	5 	<u>+</u> 0	3550 - -	SH: AA, SILTS: AA, VRr SD CLUST: AA. SH: sm blk subcarb-carb. SH: pred dk gy & gn-gy, sm micac, VSI pyrto, sm calc & Imy SH.		
	G			SH: AA, gn-gy, micac & SILTS: AA. ~10% SD CLUST: AA, pred vfn-fn Gr'd w/Pr- Fr Por, VRr Gd Por. NS. Pred SH: dk-tt gy & gn-gy & SILTS: AA, sm micac, sI pyrtd. ~5% SD CLUST: AA.		
	5 C		- 3500 -	SH-SILTS: AA & gn-gy SH & SILTS. SH: ht-dk: gn-gy & SILTS: AA, &~ 10% < 20%, SD CLUST: AA, VR r fn-m d Gr'd w/Fr-Gd Por. N S		
	-C	10 	3450	SS- SD CLUST: cm-gy-bf, vfn-md Gr'd, rnd'd-subanglr w/sm fribl Fr-Gd Por, NS, NF, NC. Abndt silty & micae Sd Clustw/Pr-NVP. SH: shrp incrs in 3480' spl, dk gy-blk & SILTS: lt-md gy, micae & SD CLUST: gy, vfn-md Gr'd, pred well cmt'd w/Pr-NVP. NS.		
	-C-	10		SS-SD CLUST: cm-bf-gy-wh, sm gn-gy, vfn-fn Gr'd & VR rprt md Gr'd, rnd'd-subangir, pred well cmt'd w/VPr- Pr Por, sm sitty-micac & sm shly. Rr ch fribl & subfribl w/Fr-Gd I.Gr Por, NS. sm sl calc & sm micac-sndy Sitts. NS. SS-SD CLUST: cm-bf-gy-wh, Incrs fn-md Gr'd w/Fr-Gd Por. NS. NF. NC.		
	COLLECT		3400	vfn Gr'd w.VPr Por, VR r fn Gr'd w/Fr Por. NS. SILTS: gy, sndy, vfn-md Gr'd, sm calc. {STALNAKER} SS- SD CLUST: gy-cm-bf, vfn-fn Gr'd & Rr prt md Gr'd, rnd'd- anglr, well cmt'd to Rr fribl w/pred Pr- Fr I.Gr Por, Rr Gd Por, frly dn. NS.	3380' (-2128) STALNAKER	
			- 3350 -	& Silty SS- Sd Clust, AA, pred well om t'd, vfn-fn Gr'd, sm shly, Pr- Fr Por. NA. SS- SD CLUST: AA, Pr- Fr Por, NS. & SH- SILTS: AA. SH: AA, & SILTS: AA, It gy, sndy. SD CLUST: AA, pred vfn Gr'd w.VPr Por, VR rfn Gr'd w/Fr Por, NS.		
	5	10 	3300 - -	SS-SD-CLUST: (3340' & 3350' spls), Abndt Sd Clust, AA & Rrprt md Gr'd, fribl & well cmt'd, RrGd Por, NS. SH-SILTS: It-dk gy & blk & It gy Silts, micac & sndy.		
	C			SILTS: gy, micac & SH: AA. LS: gy, argii-sitty. SD CLUST (Rr): Gy, vfn-fn Gr'd, sitty, calc, well cmt'd. SS- SD CLUST: (3320' & 3330' spls) gy-wh-bf, vfn- fn Gr'd, well cmt'd to fribl w/Pr- Fr Por, sm cln s1 sitty-micac, sm sitty-micac.		
	C		- - 3250	>10% & <20% SD CLUST: gy & gn-gy, vfn Gr'd, silty, well cmt'd, Pr-NVP. NS. Pred SILTS-SH. SH (pred): dk gy-blk & sm gn-gy, VRr Silty SD CLUST: AA & Rr SILTS: AA.		
		10	-	SH- SILTS: AA, Rr (<10%) SD CLUST AA, NS.		
			- - 3200	SH- SILTS: AA. (LS: AA). (<10% LS in 3200'spl.) SS- SD CLUST: gy,vfn- fn Gr'd, silty, micac & wel cmt'd w/Pr- VPr Por. NS. Pred Sndy SILTS & gy-bk SH.		
	C		- 3150 -	SH: AA (inors). & SILTS: gn-gy, micac. SH- SILTS: AA (>80%). (<20% LS, AA). SH- SILTS: AA. (LS: AA). (<10% LS in 3200' spl.)		
	-C	10	3100 - -	(Abndt LS AA, pred dn to Pr Por w/NS). SH: It-dk gn-gy (Incrs in 3150'spl).		
	-C-		ы ы ы ы	LS: cm-tn, mx-fn×ln, sm Pkstw/Pr-Fr Por. NS. SH: gn-gy & blk carb & Rrrd-mrn. (LS: AA) & SH: gn-gy-bk, sm micac, sm bk carb. & SILTS: gy, micac.		
	-C-		- - 3050	SH: AA. LS: cm-tn, mx-fnxln, sm frag Pkst&fos w/sm Pr-FrPor. NS. LS: AA, sm grnir Pkst&sm prtoomidc w/VRrFr-Gd Por. NS.		
					 	A second seco

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

May 02, 2012

Casey Coats Vess Oil Corporation 1700 WATERFRONT PKWY BLDG 500 WICHITA, KS 67206-6619

Re: ACO1 API 15-191-22637-00-00 Netahla C 1 W/2 Sec.05-34S-04W Sumner County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Casey Coats