Confidentiality Requested: Yes No

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

1194847

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.xxxx)
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:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd. CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
·	feet depth to:w/sx cmt.
Well Name:	w/w/
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Operator Name:License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. 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	1194847
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS. Chow important tang of formations populated	Dotail all coros Roport all	final conject of drill stome 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).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD New		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	EEZE RECORD			
Purpose:	Depth	Tupo of Comont	# Sooka Llood		Type and [Paraant Additivaa	

Purpose: Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
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) No (If No, skip question 3)

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			A		ement Squeeze Record I of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru	in:	No	
Date of First, Resumed	Producti	ion, SWD or ENHF	} .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:						PRODUCTION INT	ERVAL:			
Vented Sold Used on Lease Oper		Open Hole Perf. Dually (Submit A			Commingled (Submit ACO-4)					
(If vented, Su	bmit ACO)-18.)		Other (Specify						

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Wagner 2
Doc ID	1194847

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	938	60-40 POZ		2 % gel, 3 % CC
Production	7.875	5.5	14	3523	60-40 POZ	160	

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations Wagner #2 E/2-W/2-NW (1320' FNL & 990' FWL) Section 7-17s-14w Barton County, Kansas Page 1

5 1/2" Production Casing Set

Contractor:	Southwind Drilling Co. (Rig #3)
Commenced:	January 24, 2014
Completed:	January 30, 2014
Elevation:	1966' K.B; 1964' D.F; 1958' G.L.
Casing program:	Surface; 8 5/8" @ 938' Production; 5 ½" @ 3524'
Sample:	Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time:	One (1) foot drilling time recorded and kept 2800 ft. to the Rotary Total Depth.
Measurements:	All depths measured from the Kelly Bushing.
Drill Stem Tests:	There were three (3) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log:	By Nabors; Dual Induction, Compensated Density/Neutron Log and Micro.
Son anadri -	Formation Log Donth Sub Soc Datum

Formation	Log Depth	Sub-Sea Datum
Anhydrite	947	+1019
Base Anhydrite	975	+991
Heebner	3147	-1181
Toronto	3164	-1198
Lansing	3212	-1246
Base Kansas City	3428	-1462
Arbuckle	3453	-1487
Rotary Total Depth	3525	-1559
Log Total Depth	3525	-1559
(All tons and zones	corrected to Electric Log	moasuroments)

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3062-3068'	Limestone; tan, fossiliferous, poorly developed porosity, dark
	brown to black spotty stain, no free oil and no odor in fresh
	samples.

3090-3110' Limestone; gray, white, finely crystalline, sub oomoldic, chalky, poorly developed porosity, no shows.

Limestone; as above.

Mai Oil Operations Wagner #2 E/2-W/2-NW (1320' FNL & 990' FWL) Section 7-17s-14w Barton County, Kansas Page 2 **TORONTO SECTION** Limestone; gray, white, finely crystalline, chalky, poor visible 3164-3176' porosity, no shows. LANSING SECTION 3212-3220' Limestone; gray, white, finely crystalline, fossiliferous in part, poorly developed porosity, no shows. 3228-3232' Limestone; as above. 3248-3256' Limestone; white, gray, finely crystalline, oomoldic, chalky, poor to fair porosity, poor stain, no free oil and no odor in fresh samples. Limestone; white, gray, finely crystalline, chalky, trace white 3260-3276' chert. Limestone; gray, white, finely crystalline, oolitic, chalky in part, 3285-3294' scattered porosity, brown stain, show of free oil and faint odor in fresh samples. Limestone; as above, fossiliferous, brown stain, show of free oil 3296-3304' and good odor in fresh samples. Drill Stem Test #1 3230-3310' Misrun - Limestone; white, gray, finally **Drill Stem Test #2** 3216-3310' Times: 30-45-45-60

Blow: Fair

Recovery: 90' mud with oil spots

Pressures: ISIP 669 psi FSIP 632 psi IFP 19-35 psi FFP 35-52 psi HSH 1551-1545 psi

3333-3342' Limestone; white, tan, few fossiliferous, poor porosity, slightly chalky, no shows.

3360-3376' Limestone; white, gray, finely crystalline, few fossiliferous, poor porosity, chalky, no shows.

3385-3390' Limestone; white, tan, finely crystalline, few oolitic, chalky.

3403-3414' Limestone; white/gray, finely crystalline, poorly developed porosity, trace white/tan chert.

Blow	Strong
Mai Oil Operations	v: 464' gas in pipe
Wagner #2 E/2-W/2-NW (1320' FNL	& 990 [°] FWL) SSY OII
Section 7-17s-14w	124' muddy gassy oil (20% gas, 40% oil, 40% mud)
Barton County, Kansas Page 3	124' heavily oil and gas out watery must
	(10% gas, 55% oil, 15% water, 20% ment)
ARBUCKLE SECTION	N ISIP 1093 psi FSIP 1092 psi
3453-3460'	Dolomite; white, medium crystalline, fair intercrystalline porosity, golden brown to dark brown stain, show of free oil and good odor, trace pyrite.
Drill Ste	m Test #3 white, medium crysta 3398-3460'
Times:	30-45-30-45
Blow:	Delegate, white, fine and medium crystelline, used intercrystaline to finely vuggy porolaty, golds/, wowd, stan, word
Recover	ry: 464' gas in pipe
3490-3510	588' gassy oil 124' muddy gassy oil
	(20% gas, 40% oil, 40% mud)
	124' heavily oil and gas cut watery mud (10% gas, 55% oil, 15% water, 20% mud)
3510-3520	vinde orosity dark brown stain to ge of free of orosity of
Pressur	es: ISIP 1093 psi FSIP 1092 psi
	IFP 39-206 psi FFP 214-336 psi
	FFP 214-336 psi HSH 1730-1686 psi
3460-3470'	Dolomite; white, medium crystalline, fair intercrystalline porosity,
	golden to dark brown stain, show of free oil and good odor in
	fresh samples.
3470-3490'	Dolomite; white, fine and medium crystalline, good intercrystalline to finely vuggy porosity, golden brown stain, trace of free oil and good odor in fresh samples.
3490-3510'	Dolomite; white, light gray, fine to medium crystalline, good intercrystalline porosity, few with good vuggy porosity, dark brown stain, trace of free oil and fair odor in fresh samples.
3510-3520'	Dolomite; white, medium crystalline, good intercrystalline and vuggy porosity, dark brown stain, trace of free oil and no odor in fresh samples.
3520-3525'	Dolomite; white, light gray, medium crystalline, good intercrystalline and finely vuggy porosity, dark brown to black stain, trace of free oil and no odor in fresh samples.
Rotary Total Depth Log Total Depth	3525 3525

Recommendations:

5 1/2" production casing was set and cemented on the Mai Oil Operations, Wagner #2.

Respectfully submitted;

Petroleum Geologists

James C. Musgrove and Kurt Talbott

ser " Kut Tollor



RILOBITE			ST REP					
TESTING, INC	Mai Oil Operations		7-1	7S-14W	Barton,	KS		
	8411 Preston Rd STE 800 Dallas TX 75225			agner #2 Ticket: 56		DST#	1	
		ATTN: Jim Musgrove					@ 08:47:50	
GENERAL IN	NFORMATION:	·····				s.		
Formation:	C-F							
Deviated: Time Tool Open Time Test Endeo		ft (KB)		Tes	ter:	Conventior Tate Lang 49	nal Bottom H	ole (Initial)
nterval: 3230.00 ft (KB) To 3310.00 ft (KB) (TVD)				Ref	erence Be	evations:		0 ft (KB)
Total Depth: Hole Diameter:	3310.00 ft (KB) (T) 7.88 inchesHole	e Condition: Good			KB t	to GR/CF:		D ft (CF) D ft
Serial #: 88	98 Outside							
Press@RunDep		@ 3242.00 ft (KB)		Capacity	:		8000.0	0 psig
Start Date:	2014.01.28	End Date:	2014.01.28	Last Cali	b.:		2014.01.2	В
Start Time:	08:47:51	End Time:	13:37:40	Time On Time Off			8 @ 11:22:3 8 @ 12:17:2	
	IENT: B.O.B. In 7 mins Dead no blow ba Took mud on IF a Pressare vs. 1	nd Pulled it after ISI	Time	Pl		RE SUM	and the second se	
1230 1250 1250 1250	Dead no blow ba Took mud on IF a Pressare vs. 7	and Pulled it after ISI	Time (Min.) 0 1 24 55 55		RESSUF Temp (deg F) 90.08 89.74 91.43 92.88 93.08	Annota Initial Hyd Open To Shut-In(1 End Shut	tion fro-static Flow (1)) -In(1)	
153	Dead no blow ba Took mud on IF a Pressare vs. 7	and Pulled it after ISI	(Min.) 0 1 24 55	Pressure (psig) 1616.11 24.00 108.51 576.10	Temp (deg F) 90.08 89.74 91.43 92.88	Annota Initial Hyd Open To Shut-In(1 End Shut	tion fro-static Flow (1)) -In(1)	
	Dead no blow ba Took mud on IF a	And Pulled it after ISI	(Min.) 0 1 24 55	Pressure (psig) 1616.11 24.00 108.51 576.10	Temp (deg F) 90.08 89.74 91.43 92.88 93.08	Annota Initial Hyd Open To Shut-In(1 End Shut Final Hyd	tion Flow (1)) -h(1) Iro-static	
9533	Dead no blow ba Took mud on IF a	Volume (bbl)	(Min.) 0 1 24 55	Pressure (psig) 1616.11 24.00 108.51 576.10	Temp (deg F) 90.08 89.74 91.43 92.88 93.08	Annota Initial Hyd Open To Shut-In(1 End Shut Final Hyd	tion Flow (1)) -h(1) Iro-static	Gas Rate (M <i>ct/d</i>)
555	Dead no blow ba Took mud on IF a	And Pulled it after ISI	(Min.) 0 1 24 55	Pressure (psig) 1616.11 24.00 108.51 576.10	Temp (deg F) 90.08 89.74 91.43 92.88 93.08	Annota Initial Hyd Open To Shut-In(1 End Shut Final Hyd	tion Flow (1)) -h(1) Iro-static	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 56048

Printed: 2014.01.30 @ 14:43:24

CLAN I RILOBITE	DRILL STEM TES					
TESTING, INC	Mai Oil Operations		7-17	/S-14W	Barton,K	S
	8411 Preston Rd STE 800 Dallas TX 75225			gner #2 Ticket: 56		DST#: 2
	ATTN: Jim Musgrove		Test	Start: 20	14.01.28 @	17:39:53
GENERAL INFORMATION:						
Formation: A-F Deviated: No Whipstock: Time Tool Opened: 18:51:53 Time Test Ended: 23:19:53	ft (KB)		Test Test Unit	er:	Conventiona Tate Lang 49	al Bottom Hole (Reset)
Interval: 3216.00 ft (KB) To 3310 Total Depth: 3310.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole C)		Refe	erence Ele KB t	evations: o GR/CF:	1966.00 ft (KB) 1958.00 ft (CF) 8.00 ft
Serial #: 8897 Inside Press@RunDepth: 51.85 psig @ Start Date: 2014.01.28	End Date: End Time:	2014.01.28 23:19:53	Capacity: Last Calib Time On B Time Off	o.: Btm: 2	2014.01.28	8000.00 psig 2014.01.28 @ 18:41:53 @ 21:47:53
EST COMMENT: Fair surface blow to Dead no blow back Good surface blow Dead no blow back	v built to 7"					
Pressure vs. Time	C 🔍				E SUMM	
	Trepresenta	Time (Min.) 0 10 37 80 80 125 185 185	Pressure (psig) 1551.11 18.64 34.94 669.39 35.35 51.85 632.12 1544.76	88.06 88.98 88.88 91.88 93.39	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static low (1) n(1) low (2) n(2)
e de la constance de la consta	3					
	3			Ga	s Rates	
Length (ft) Description	Volume (bbl)			Ga Choke (i	1	re (psig) Gas Rate (Mcf/d)
Recovery				1	1	rre (psig) Gas Rate (Mct/d

RILOBITE	DRILL STEM TE	STREP					
TESTING, INC	Mai Oil Operations		7-17S-14W Barton,KS				
	8411 Preston Rd STE 800 Dallas TX 75225			igner #2 Ticket: 56		DST#::	3
NEV.	ATTN: Jim Musgrove				014.01.29 @		-
GENERAL INFORMATION:							
Formation: Arbuckle Deviated: No Whipstock: Fime Tool Opened: 15:53:23 Fime Test Ended: 20:40:12	ft (KB)		Tes	ter:	Conventiona Tate Lang 49	al Bottom Hol	le (Reset)
nterval: 3398.00 ft (KB) To 34 Fotal Depth: 3460.00 ft (KB) (T) 3460.00 ft (KB) (T) Hole Diameter: 7.88 inches Hole			Ref	erence Be KB t	evations: to GR/CF:	1966.00 1958.00 8.00	ft (CF)
						0.00	
Serial #: 8897 Inside Press@RunDepth: 336.46 psig Start Date: 2014.01.29 Start Time: 14:34:34	 3424.00 ft (KB) End Date: End Time: 	2014.01.29 20:40:13	Capacity Last Calil Time On Time Off	b.: Btm: 2		8000.00 2014.01.29 @ 15:53:13 @ 18:23:53	
Strong blow bac B.O.B. In 4 mins Fair blow back b							
Pressure vs. 7	lime	1	Pf	RESSUR	RE SUMM	ARY	
Pressure vs. 7	finac 887 Torposite	Time	Pressure	RESSUR Temp	RE SUMM		
		(Min.)	Pressure (psig)	Temp (deg F)	Annotatio	on	
		(Min.) 0	Pressure (psig) 1730.25	Temp (deg F) 91.38	Annotatio	on ro-static	
		(Min.)	Pressure (psig)	Temp (deg F) 91.38	Annotation Initial Hydr Open To F	on ro-static Flow (1)	
		(Min.) 0 1 29 75	Pressure (psig) 1730.25 39.43 206.42 1093.13	Temp (deg F) 91.38 90.71 102.97 100.82	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I	on ro-static Flow (1) In(1)	
		(Min.) 0 1 29 75 75 76	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38	Temp (deg F) 91.38 90.71 102.97 100.82 99.96	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	on Flow (1) In(1) Flow (2)	
		(Min.) 0 1 29 75 76 106	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	on ro-static Flow (1) In(1) Flow (2)	
		(Min.) 0 1 29 75 76 106	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	on ro-static Flow (1) In (1) Flow (2) In (2)	
50 50 50 50 50 50 50 50 50 50		(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatik Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	on ro-static Flow (1) In (1) Flow (2) In (2)	
Recovery		(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatie Initial Hydr Open To F Shut-In(1) End Shut-I Gpen To F Shut-In(2) End Shut-In(2) End S	on ro-static Flow (1) h(1) Flow (2) h(2) o-static	
resolution of the second secon	Volume (bbl)	(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatie Initial Hydr Open To F Shut-In(1) End Shut-I Gpen To F Shut-In(2) End Shut-In(2) End S	on ro-static Flow (1) h(1) Flow (2) h(2) o-static	as Rate (Mcí/d)
rational description Recovery Length (ft) Description 588.00 40%G 60%O	Volume (bbl) 8.25	(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatie Initial Hydr Open To F Shut-In(1) End Shut-I Gpen To F Shut-In(2) End Shut-In(2) End S	on ro-static Flow (1) h(1) Flow (2) h(2) o-static	as Rate (Mcf/d)
The second secon	Volume (bbl) 8.25 1.74	(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatie Initial Hydr Open To F Shut-In(1) End Shut-I Gpen To F Shut-In(2) End Shut-In(2) End S	on ro-static Flow (1) h(1) Flow (2) h(2) o-static	as Rate (Mcf/d)
The second secon	Volume (bbl) 8.25 1.74	(Min.) 0 1 299 75 76 106 150	Pressure (psig) 1730.25 39.43 206.42 1093.13 214.38 336.46 1091.52	Temp (deg F) 91.38 90.71 102.97 100.82 99.96 104.54 104.00 103.98	Annotatie Initial Hydr Open To F Shut-In(1) End Shut-I Gpen To F Shut-In(2) End Shut-In(2) End S	on ro-static Flow (1) h(1) Flow (2) h(2) o-static	as Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 56050

Printed: 2014.01.30 @ 14:25:06

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 No. 7646 Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 Cell 785-324-1041 Sec. Twp. Range County State On Location Finish U 1 march 19 10 km Date Location K) Lease Well No. Owner To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Charge To Hole Size T.D 1C11 4 Depth Csg. Street Tbg. Size Depth City State Tool Depth The above was done to satisfaction and supervision of owner agent or contractor 60/11 Y Cement Amount Ordered) 4 10 Cement Left in Csg. Shoe Joint det BBL Meas Line Displace EQUIPMENT Common Cementer Helper No. Poz. Mix Pumptrk Driver Driver No. Bulktrk Gel. Driver No. Bulktrk 42 Driver Calcium VI **JOB SERVICES & REMARKS** Hulls Salt Remarks: Rat Hole Flowseal Mouse Hole Kol-Seal Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Mileage FLOAT EQUIPMENT --112 **Guide Shoe** Centralizer Baskets **AFU Inserts** Float Shoe Latch Down Juldeet. **Pumptrk Charge** Mileage Tax Discount X Signature Total Charge Mer.

10 Q19

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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7151

Date 1 - 30 - 14 Sec.	Twp. Range	County State On Location Finish
Date		Dacton 115 41.00 Y.M
	10	ocation 281 - 4 Jct 3N to 150 Rd, 4W to 80th
Lease Wagnes	I Well NO.	Owner Ave, 3/4 N E Knto To Quality Oilwell Cementing, Inc.
Contractor Douthwine	d #3	You are hereby requested to rent cementing equipment and furnish
Type Job Long String	28227	cementer and helper to assist owner or contractor to do work as listed.
Hole Size	T.D. 3222	To Plai Di Operations
Csg. New 54" MH	Depth 3523'	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. JO.65	Shoe Joint 20 . 65	Cement Amount Ordered 160 5x 60140 10% Salt 2% Gel
Meas Line	Displace 0	(5 Ky#F10-seal - 1000 gal Mud Clear 48
EQUIPM	IENT	Common
Pumptrk /6 Helper Di	114	Poz. Mix
Bulktrk 3 No. Driver Cha	d Kyan	Gel.
Bulktrk D.U. No. Driver Bic	K	Calcium
JOB SERVICES	& REMARKS	Hulls
Remarks:	and addiest out the Marke VITE	Salt
Rat Hole	a ana aona aona aona aona aona aona aon	Flowseal
Mouse Hole		Kol-Seal
Centralizers /- 17 , 9	- //	Mud CLR 48
Baskets # 2 4	above Shee Jt.	CFL-117 or CD110 CAF 38
D/V or Port Collar Dice on	bottom, breat	Sand
Cicculation Dumo	1000 mand Clean	12 Handling
Duce Rathole w/	305 Hosk to	Mileage
Castra + mil	130 Dr Cement.	FLOAT EQUIPMENT
Shut down wash	Oump + lines	Guide Shoe
Released pluce + D	isplaced with	Centralizer 10 8 fuctors
8544 BLS of war		12 Baskets Weatherford
Second Contraction of the		AFU Inserts
Lift pressure	700 =	Float Shoe
Land Plug	-5 1350# N	Latch Down
	instanting produces or the	
Marine the second second second second	CS MA	
	03111	Pumptrk Charge
	a change the second of the	Mileage
inter or asserblume of the PELENDE	1.	Tax
7 MI		Discount
X Signature	neut	Total Charge