[redacted] 1251180

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
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 # 5259
Name: Mai Oil Operations, Inc.
Address 1: 8411 PRESTON RD STE 800
Address 2:
City: DALLAS State: TX Zip: 75225 + 5520
Contact Person: Allen Bangert
Phone: (214) 219-8883
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Jim Musgrove
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 #:

02/25/2015 Spud Date or Recompletion Date
03/03/2015 Date Reached TD
03/03/2015 Completion Date or Recompletion Date

API No. 15 - 15-185-23927-00-00
Spot Description:
NE - SW - SW - SE Sec. 21 Twp. 21 S. R. 12 ☐ East ☑ West
545 Feet from ☐ North / ☑ South Line of Section
2040 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Stafford
Lease Name: Hammeke "B" Well #: 6
Field Name:
Producing Formation: arbuckle
Elevation: Ground: 1850 Kelly Bushing: 1856
Total Vertical Depth: 3698 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 647 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: 58000 ppm Fluid volume: 80 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Main Oil Operations, Inc.
Lease Name: Grow License #: 5259
Quarter SW Sec. 21 Twp. 21 S. R. 12 ☐ East ☑ West
County: Stafford Permit #: D27744

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: 05/04/2015
☑ **Confidential Release Date:** 05/03/2017
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/08/2015

[redacted]

1251180

Operator Name: Mai Oil Operations, Inc. Lease Name: Hammeke "B" Well #: 6

Sec. 21 Twp. 21 S. R. 12 ☐ East ☑ West County: Stafford

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

CDNL
DIL
Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	658	+1200
Heebner	3120	-1262
Toronto	3140	-1282
Brown Lime	3254	-1396
Lansing	3267	-1409
Base Kansas City	3491	-1633
Arbuckle	3594	-1736

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	647	60-40 POZ	400	2% gel, 3% CC
Production	7.875	5.5	14	3695	60-40 POZ	160	2% gel, 10 % salt

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Hammeke "B" 6
Doc ID	1251180

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	647	60-40 POZ	400	2% gel, 3% CC
Production	7.875	5.5	14	3695	60-40 POZ	160	2% gel, 10 % salt

JAMES C. MUSGROVE
Petroleum Geologist, LLC
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250 Res. Claflin (620) 587-3444

Mai Oil Operations
Hammeke B #6
NE-SW-SW-SE (545' FSL & 2040' FEL)
Section 21-21s-12w
Stafford County, Kansas

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)

Commenced: February 25, 2015

Completed: March 3, 2015

Elevation: 1858' K.B., 1856' D.F., 1850' G.L.

Casing program: Surface; 8 5/8" @ 647'
Production, 5 ½" @ 3695'

Sample: Samples saved and examined 2900' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 2900' 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 and Sonic Log.

Formation	Log Depth	Sub-Sea Datum
Anhydrite	658	+1200
Base Anhydrite	680	+1178
Heebner	3120	-1262
Toronto	3140	-1282
Douglas	3154	-1296
Brown Lime	3254	-1396
Lansing	3267	-1409
Base Kansas City	3491	-1633
Viola	3499	-1641
Simpson Shale	3537	-1679
Arbuckle	3594	-1736
Rotary Total Depth	3700	-1842
Log Total Depth	3698	-1840

All tops and zones corrected to Electric Log Measurement

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

TOPEKA SECTION

2900-3122' There were several zones of well-developed porosity encountered in the drilling of the Topeka Section but no show of oil and/or gas was noted (see attached Sample Log/Geologist Report)

TORONTO SECTION

3140-3150'	Limestone, cream, tan, finely crystalline, poor visible porosity, no shows.

LANSING SECTION

3267-3276'	Limestone; tan, buff, fine and medium crystalline, poor scattered pinpoint porosity, chalky in part, no shows, no odor.
3284-3298'	Limestone, tan, buff, finely crystalline, few fossiliferous, poor scattered porosity, few chalky, no shows and questionable odor.
3305-3311'	Limestone, tan, buff, finely crystalline, fossiliferous fair porosity, chalky, dark brown stain, show of free oil, and fair odor in fresh samples
3225-3230'	Limestone, tan, finely crystalline, fossiliferous, scattered vuggy porosity, chalky in part, light black/brown stain, show of free oil and faint odor.
3333-3358'	Limestone, as above.
3365-3377'	Limestone, cream, tan, oolitic, chalky, poorly developed porosity, black stain, trace of free oil an no odor in fresh samples.
3395-3405'	Limestone, cream, tan, finely crystalline, chalky, no shows.
3411-3421'	Limestone, tan, cream, oolitic, oomoldic, poor to fair oomoldic porosity, chalky, no shows, plus varied colored cherts.
3431-3438'	Limestone, cream, tan, finely crystalline, scattered vuggy porosity, black stain, show of free oil and faint odor in fresh samples.
3451-3470'	Limestone, tan, sub-oomoldic, poor to fair porosity, golden brown, stain, trace of free and faint odor in fresh samples.
3473-3487'	Limestone, tan, cream, finely crystalline, poor visible porosity, no shows.

Drill Stem Test #1 **3391-3490**

Times: **30-30-30-30**

Blow: **Weak**

Recovery: **10' oil speckled mud**

Pressures:

ISIP	**254**	**psi**
FSIP	**128**	**psi**
IFP	**18-23**	**psi**
FFP	**20-23**	**psi**
HSH	**1660-1657**	**psi**

VIOLA SECTION

3490-3538'	Varied colored opaque cherts, trace brown stain, no free oil and no odor in fresh samples.

ARBUCKLE SECTION

3596-3604' Dolomite, tan, buff, finely crystalline, chalky luster, poor to fair porosity, trace stain, show of free oil and strong odor in fresh samples.

3604-3625' Dolomite, tan, finely crystalline, sucrosic in part, scattered porosity, brown/black stain, show of free oil and strong odor in fresh samples.

Drill Stem Test #2 **3534-3625**

Times: **30-30-45-45**

Blow: **Strong**

Recovery: **1485' gas in pipe**
120' gassy muddy oil
(15% gas; 73% oil, 12% mud)
390' heavily oil and gas cut mud
(15% gas; 52% oil; 33% mud)
120' gassy oil cut mud
(33% gas; 32% oil; 35% mud)

Pressures:

ISIP	**862**	**psi**
FSIP	**872**	**psi**
IFP	**77-155**	**psi**
FFP	**171-255**	**psi**
HSH	**1754-1739**	**psi**

3625-3645' Dolomite, tan, gray, finely crystalline, poorly developed vuggy type porosity, light brown stain, trace free oil and strong odor in fresh samples.

Drill Stem Test #3 **3624-3645**

Times: **30-30-45-45**

Blow: **Strong**

Recovery: **1970' gas in pipe**
90' clean gassy oil
40' gassy mud cut oil
(7% gas; 63% oil; 30% mud)

Pressures:

ISIP	**857**	**psi**
FSIP	**962**	**psi**
IFP	**31-41**	**psi**
FFP	**52-71**	**psi**
HSH	**1815-1784**	**psi**

3645-3660' Dolomite, tan, buff, gray finely crystalline, poor scattered inter-crystalline porosity, light brown stain, show of free oil and fair odor.

3660-3680'	Dolomite, tan, buff, finely crystalline, poorly developed porosity, light brown stain, show of free oil and fair odor in fresh samples.
3680-3700'	Dolomite, tan, finely crystalline, poorly developed porosity, no shows and faint odor in fresh samples.

Rotary Total Depth **3700**
Log Total Depth **3698**

Recommendations:

The 5 ½" production casing was set and cemented on Mai Oil Operation Inc., Hammeke B #6.

Respectfully yours,

Wyatt Urban
Petroleum Geologist

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Oper., Inc.

8411 Preston Rd. Ste. 800
Dallas, TX 75225-5520

ATTN: Wyatt Urban

21-21s-12w Stafford,KS

Hammeke 'B' #6

Job Ticket: 59964 **DST#: 1**

Test Start: 2015.03.01 @ 03:19:53

GENERAL INFORMATION:

Formation: **LKC H-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:31:23
Time Test Ended: 08:53:53

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68

Interval: 3391.00 ft (KB) To 3490.00 ft (KB) (TVD)
Total Depth: 3490.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

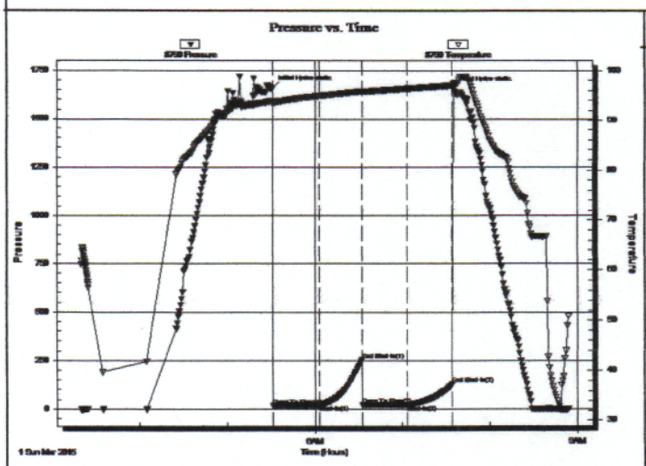
Reference Elevations: 1857.00 ft (KB)
1850.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8790 **Inside**

Press@RunDepth: 22.63 psig @ 3392.00 ft (KB)
Start Date: 2015.03.01 End Date: 2015.03.01
Start Time: 03:19:58 End Time: 08:53:52

Capacity: 8000.00 psig
Last Calib.: 2015.03.01
Time On Btm: 2015.03.01 @ 05:31:08
Time Off Btm: 2015.03.01 @ 07:34:53

TEST COMMENT: IF: Weak blow . 1/2" - 1"
ISI: No blow
FF: Weak surf. blow .
FSI: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.66	93.93	Initial Hydro-static
1	18.20	93.30	Open To Flow (1)
33	22.55	94.91	Shut-In(1)
62	254.10	95.79	End Shut-In(1)
62	20.49	95.66	Open To Flow (2)
93	22.63	96.36	Shut-In(2)
123	128.03	97.00	End Shut-In(2)
124	1657.33	97.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSLI OspkdM trc%o, 99+%m	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Oper., Inc.

8411 Preston Rd. Ste. 800
Dallas, TX 75225-5520

ATTN: Wyatt Urban

21-21s-12w Stafford,KS

Hammeke 'B' #6

Job Ticket: 59965 **DST#: 2**

Test Start: 2015.03.01 @ 20:12:56

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:35:56
Time Test Ended: 02:47:56

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 68

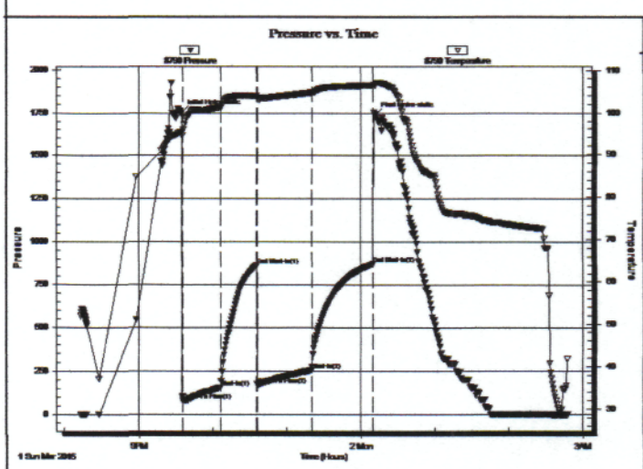
Interval: 3534.00 ft (KB) To 3625.00 ft (KB) (TVD)
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1857.00 ft (KB)
1850.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8790 **Inside**
Press@RunDepth: 254.89 psig @ 3535.00 ft (KB)
Start Date: 2015.03.01 End Date: 2015.03.02
Start Time: 20:13:01 End Time: 02:47:55

Capacity: 8000.00 psig
Last Calib.: 2015.03.02
Time On Btm: 2015.03.01 @ 21:35:11
Time Off Btm: 2015.03.02 @ 00:11:41

TEST COMMENT: IF: Strong blow . BOB @ 2min.
ISI: Strong blow . BOB @ 23min.
FF: Strong blow . BOB immed.
FSI: Strong blow . BOB @ 10min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.00	95.33	Initial Hydro-static
1	77.49	95.46	Open To Flow (1)
32	155.37	101.35	Shut-In(1)
61	862.38	104.10	End Shut-In(1)
61	170.81	103.69	Open To Flow (2)
105	254.89	104.77	Shut-In(2)
155	871.78	106.43	End Shut-In(2)
157	1739.40	106.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 33%g, 32%o, 35%m	1.68
390.00	GMCO 15%g, 52%o, 33%m	5.47
120.00	GMCO 15%g, 12%m, 73%o	1.68
0.00	1485' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Mai Oil Oper., Inc.

8411 Preston Rd. Ste. 800
Dallas, TX 75225-5520

ATTN: Wyatt Urban

21-21s-12w Stafford,KS

Hammeke 'B' #6

Job Ticket: 59966 **DST#: 3**

Test Start: 2015.03.02 @ 09:04:28

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:19:43
Time Test Ended: 14:13:13

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 68

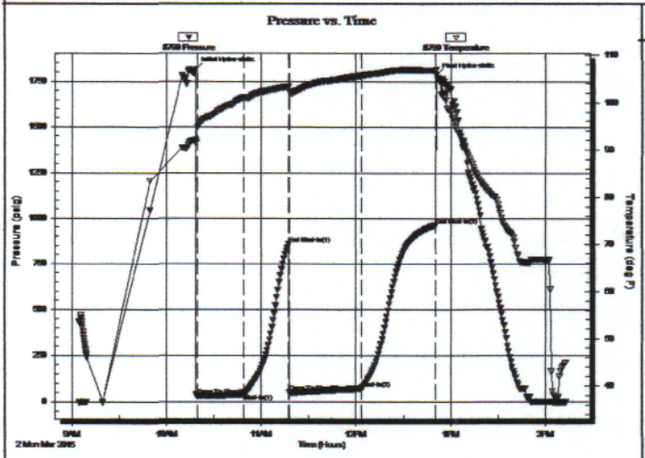
Interval: 3624.00 ft (KB) To 3645.00 ft (KB) (TVD)
Total Depth: 3645.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1857.00 ft (KB)
1850.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8790 **Inside**
Press@RunDepth: 70.81 psig @ 3625.00 ft (KB)
Start Date: 2015.03.02 End Date: 2015.03.02
Start Time: 09:04:33 End Time: 14:13:12

Capacity: 8000.00 psig
Last Calib.: 2015.03.02
Time On Btm: 2015.03.02 @ 10:18:28
Time Off Btm: 2015.03.02 @ 12:50:58

TEST COMMENT: IF: Strong blow . BOB @ 5 min.
ISI: Fair blow . Surf. - 3"
FF: Strong blow . BOB @ 1 min.
FSI: Good blow . Surf. - 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.33	91.91	Initial Hydro-static
2	31.48	94.72	Open To Flow (1)
31	40.88	101.01	Shut-In(1)
59	856.78	103.35	End Shut-In(1)
60	51.88	102.14	Open To Flow (2)
105	70.81	105.63	Shut-In(2)
152	962.01	106.75	End Shut-In(2)
153	1784.06	106.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	GOCM 7%g, 30%m, 63%o	0.56
90.00	Clean Gassy Oil 5%g, 95%o	1.26
0.00	1970' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107
Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665
Cell 785-324-1041

No. 1134

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-26-15	21	21	12	Stafford	KS		11:00 PM

Location Great Bend, KS - 115 to 170 Rd, 6E to

Lease Hammeke B	Well No. 6	Owner Cold, 1/2 N W into	
Contractor Southwind	3	To Quality Oilwell Cementing, Inc. 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 Surface		Charge To Mar oil operations	
Hole Size 12¼"	T.D. 647'	Street	
Csg. 8 5/8"	Depth 647'	City State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	Depth		
Cement Left in Csg. 20'	Shoe Joint 20'	Cement Amount Ordered 400 60/40 3%cc 2%Gel ¼#fl	
Meas Line	Displace 40 BLS		

EQUIPMENT			
Pumptrk 20 No.	Cementer	Helper Dirk	
Bulktrk 21 No.	Driver	Driver Taylor	
Bulktrk P.U. No.	Driver	Driver Rick	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole		Common	
Mouse Hole		Poz. Mix	
Centralizers		Gel.	
Baskets		Calcium	
D/V or Port Collar		Hulls	
		Salt	
		Flowseal 200#	
		Kol-Seal	
		Mud CLR 48	
		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	
		Mileage	
		FLOAT EQUIPMENT	
		Guide Shoe Rubber plug	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		Pumptrk Charge	
		Mileage	
		Tax	
		Discount	
		Total Charge	

Quality Oilwell Cementing

X Ron Shoes

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 1137

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-3-15	21	21	12	Stafford	Ks		11:45 AM

Location Great Bend, Ks - 115 to 170 Rd, 6E to 60 Rd 1/8 N, W/into

Lease Hammeke	Well No. 6	Owner	
Contractor Southwind 3		To Quality Oilwell Cementing, Inc. 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 Production			
Hole Size 7 7/8"	T.D. 3700'	Charge To Mai oil operations	
Csg. 5 1/2" New 14#	Depth 3695'	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. 21.46'	Shoe Joint 21.46'	Cement Amount Ordered 160 60/40 10% Salt 2% Gel	
Meas Line	Displace 89 1/2 BLS	1/4# Flo-Seal 1000 mud Clear 48	

EQUIPMENT

Pumptrk 16	No.	Cementer Helper	Billy
Bulktrk 14	No.	Driver Driver	Doug
Bulktrk P.U.	No.	Driver Driver	Rick

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers 1-10 12,13,14

Baskets Pipe on bottom break Circulation

D/V or Port Collar pump 1000 gal mud Clear 48 Plug Rathole w/ 30sx Hook to 5 1/2" Casing + mix 130 sx Cement. Shut down + wash pump + lines. Released plug + Displaced w/ 89 1/2 BLS of H2O. Released + held.

Lost 1/4 bbl pressure 600 # Landed plug to 1,500 #

X Signature

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer 13	
Baskets	
AFU Inserts	
Float Shoe 1	
Latch Down 1	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	