

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251748
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

1251748



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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Hammeke "M" 9
Doc ID	1251748

Tops

Name	Top	Datum
Anhydrite	632	+1216
Heebner	3102	-1254
Toronto	3112	1264
Brown Lime	3249	-1401
Lansing	3260	-1412
Base Kansas City	3275	-1427
Viola	3487	-1639
Arbuckle	3563	1715

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 #9
SE-SW-NE-SW (1500' FSL & 1750' FWL)
Section 22-21s-12w
Stafford County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: March 27, 2015
Completed: April 2, 2015
Elevation: 1848' K.B., 1846' D.F., 1840' G.L.
Casing program: Surface; 8 5/8" @ 635'
Production, 5 1/2" @ 3699'
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 four (4) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors, Dual Induction, Compensated Density/Neutron Log and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	632	+1216
Base Anhydrite	653	+1195
Heebner	3102	-1254
Toronto	3112	-1264
Douglas	3137	-1289
Brown Lime	3249	-1401
Lansing	3260	-1412
Base Kansas City	3275	-1427
Viola	3487	-1639
Simpson Shale	3510	-1662
Arbuckle	3563	-1715
Rotary Total Depth	3700	-1852
Log Total Depth	3700	-1852

All tops and zones corrected to Electric Log Measurement

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

TOPEKA SECTION

2900-3102' No shows of oil and/or gas was noted (see attached sample log/geologist report)

TORONTO SECTION

3112-3120' Limestone, tan, brown, finely crystalline, poor scattered porosity (dense), no shows.

LANSING SECTION

3250-3260' Limestone, cream, tan, finely crystalline, fossiliferous, few oolitic, oomoldic in part; scattered vuggy and oomoldic type porosity, chalky in part; trace black stain, no free oil and no odor in fresh samples.

3267-3276' Limestone, cream, white, finely crystalline, scattered vuggy type porosity, chalky in part, golden brown stain, show of free oil and faint odor in fresh samples.

3285-3293' Limestone, cream, tan, finely crystalline, fossiliferous, poor scattered porosity, chalky, dense, no shows and faint odor in fresh samples.

3306-3312' Limestone, cream, tan, fossiliferous, poor visible porosity, highly chalky, black stain, no free oil and questionable odor in fresh samples.

3314-3325' Limestone, cream, tan, finely crystalline, fossiliferous, poor scattered porosity, chalky, no shows, no odor.

3330-3350' Limestone, cream, tan, fossiliferous, poor scattered porosity, highly chalky, poor brown stain and saturation, show of free oil and faint odor in fresh samples.

3350-3360' Limestone, cream, tan, oomoldic, fair oomoldic porosity, brown stain, show of free oil and faint odor in fresh samples.

3376-3384' Limestone, white, cream, oomoldic, fair oomoldic/vuggy type porosity, light golden brown stain, fair stain and saturation, show of free oil and fair odor in fresh samples.

3404-3420' Limestone, white, oomoldic, fair oomoldic porosity, light brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #1 3356-3420

Times: 30-30-45-45

Blow: Strong

**Recovery: 780' gas in pipe
63' oil speckled mud**

**Pressures: ISIP 296 psi
FSIP 308 psi
IFP 56-55 psi
FFP 56-66 psi
HSH 1695-1683 psi**

3420-3430' Limestone, cream, tan, finely crystalline, few fossiliferous, poor visible porosity, brown stain, no free oil and faint odor in fresh sample.

- 3432-3438' Limestone, cream, white, oolitic, poor scattered vuggy porosity, chalky, trace black stain.
- 3451-3463' Limestone, cream, white, finely crystalline, dense, poor visible porosity, no shows, no odor.
- 3463-3474' Limestone, cream, oolitic, oomoldic, porosity, chalky, light brown stain, show of free oil and questionable odor in fresh samples.

VIOLA SECTION

- 3487-3508' Chert, varied colored, white, tan, cream, fresh, poor visible porosity, light spotty stain, no free oil and faint odor in fresh samples.

ARBUCKLE SECTION

- 3562-3572' Dolomite, tan, finely crystalline, poor visible porosity, light brown stain, show of free oil and strong odor in fresh samples.
- 3582-3592' Dolomite, tan, scattered vuggy type porosity, poor to fair inter-crystalline porosity, brown stain, show of free oil and strong odor in fresh sample.
- 3592-3600' Dolomite, tan, finely crystalline, poorly developed vuggy porosity, chalky luster, trace stain, show of free oil and strong odor in fresh samples.

Drill Stem Test #2 **3500-3600**

Times: 30-30-45-45

Blow: Strong

Recovery: 693' gas in pipe
190' oil and gas cut mud
(70% gas; 25% oil; 5% mud)
125' oil and gas cut mud
(55% gas; 25% oil; 20% mud)
65' heavily oil and gas cut mud
(25% gas; 40% oil; 35% mud)

Pressures: ISIP 635 psi
FSIP 561 psi
IFP 153-147 psi
FFP 155-189 psi
HSH 1833-1690 psi

- 3605-3618' Dolomite, white, cream, fine and medium crystalline, good vuggy type porosity, brown stain, show of free oil and strong odor in fresh samples.

Drill Stem Test #3 **3598-3618'**

Times: 30-30-45-45

Blow: Strong

Recovery: 252' gas in pipe
 212' clean gassy oil
 63' oil and gas cut mud
 (65% gas; 15% oil; 20% mud)

Pressures: ISIP 820 psi
 FSIP 694 psi
 IFP 40-62 psi
 FFP 69-114 psi
 HSH 1840-1731 psi

3618-3633' Dolomite, tan, white, finely crystalline, scattered porosity, brown stain, show of free oil and strong odor in fresh samples.

Drill Stem Test #3 **3618-3633**

Times: 30-30-45-45

Blow: Strong

Recovery: 5' clean oil
 610' water

Pressures: ISIP 818 psi
 FSIP 747 psi
 IFP 59-167 psi
 FFP 177-290 psi
 HSH 1853-1702 psi

3633-3640' Dolomite, tan, finely crystalline, poorly developed porosity, dense, light brown stain, no free oil and faint odor in fresh samples.

3640-3660' Dolomite, tan, finely crystalline, dense, poor porosity, light brown stain, no free oil and faint odor in fresh samples.

3660-3680' Dolomite, tan, finely crystalline, cherty, dense, trace brown stain, no free oil and faint odor in fresh samples.

3680-3700' Dolomite, tan, finely crystalline, poor scattered porosity, plus white boney cherts, no shows.

Mai Oil Operations
Hammeke B #9
SE-SW-NE-SW (1500' FSL & 1750' FWL)
Section 22-21s-12w
Stafford County, Kansas

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Rotary Total Depth	3700
Log Total Depth	3700

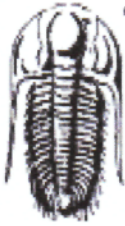
Recommendations:

The 5 ½" production casing was set and cemented on Mai Oil Operation Inc., Hammeke B #9.

Respectfully yours,



Wyatt Urban
Petroleum Geologist



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations
 8411 Preston RD STE 800
 Dallas TX 75225
 ATTN: Wyatt Urban

22-21-12w Stafford
Hammeke M #9
 Job Ticket: 62878 **DST#: 2**
 Test Start: 2015.04.01 @ 05:01:00

GENERAL INFORMATION:

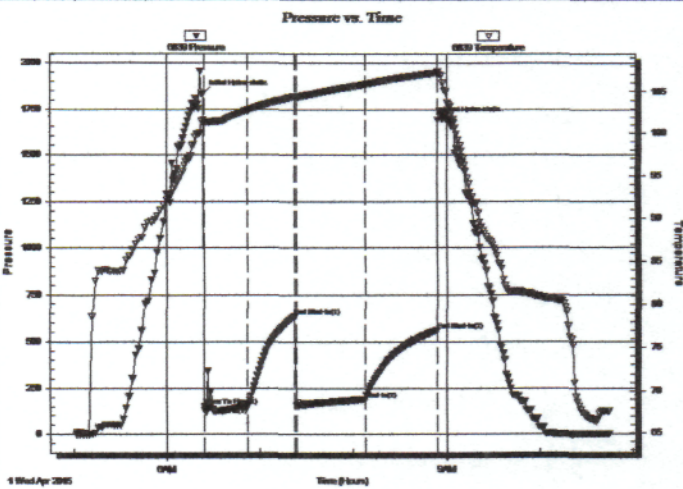
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:24:00
 Time Test Ended: 10:45:00
 Interval: **3500.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59
 Reference Elevations: 1848.00 ft (KB)
 1840.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839

Inside

Press@RunDepth: 189.81 psig @ 3595.97 ft (KB)
 Start Date: 2015.04.01 End Date: 2015.04.01
 Start Time: 05:02:00 End Time: 10:45:00
 Capacity: 5000.00 psig
 Last Calib.: 2015.04.01
 Time On Btm: 2015.04.01 @ 06:23:30
 Time Off Btm: 2015.04.01 @ 08:54:30

TEST COMMENT: FFP 30 min BOB in 6 min.
 ISI 30 min No blow back
 FFP 45 min BOB in 5 min.
 FSI 45 min No blow back



PRESSURE SUMMARY

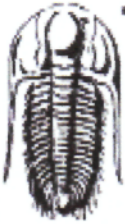
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.46	101.59	Initial Hydro-static
1	153.85	101.27	Open To Flow (1)
29	147.59	102.76	Shut-In(1)
59	635.57	104.41	End Shut-In(1)
60	155.46	104.33	Open To Flow (2)
104	189.81	105.86	Shut-In(2)
151	561.04	107.21	End Shut-In(2)
151	1690.91	107.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	V/GMCO 25%Oil 5% Mud 70%Gas	2.67
125.00	V/GMCO 25% Oil 20%Mud 55%Gas	1.75
65.00	GMCO 40%Oil25% Gas 35%Mud	0.91
0.00	693' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations
 8411 Preston RD STE 800
 Dallas TX 75225
 ATTN: Wyatt Urban

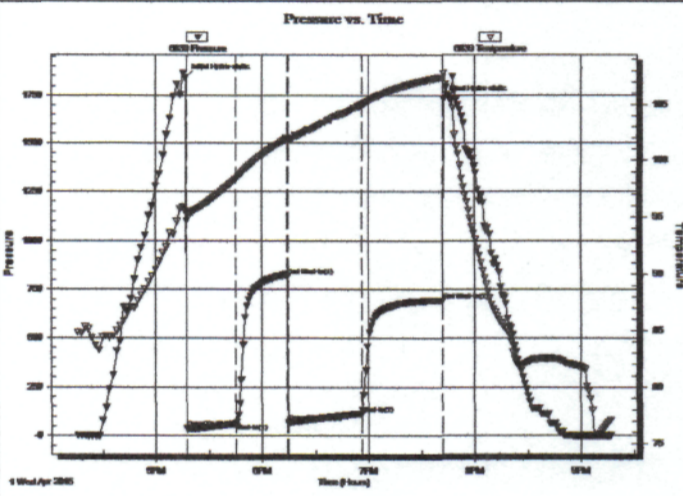
22-21-12w Stafford
Hammeke M #9
 Job Ticket: 62879 **DST#: 3**
 Test Start: 2015.04.01 @ 16:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:17:30
 Time Test Ended: 21:16:30
 Interval: **3598.00 ft (KB) To 3618.00 ft (KB) (TVD)**
 Total Depth: 3618.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59
 Reference Elevations: 1848.00 ft (KB)
 1840.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839 **Outside**
 Press@RunDepth: 114.25 psig @ 3613.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.04.01 End Date: 2015.04.01 Last Calib.: 2015.04.01
 Start Time: 16:16:00 End Time: 21:16:30 Time On Btm: 2015.04.01 @ 17:17:00
 Time Off Btm: 2015.04.01 @ 19:42:30

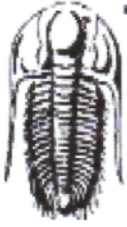
TEST COMMENT: IFF 30 min BOB in 4 min
 ISI 30 min Yes blow back
 FFP 45 min BOB in 5 min.
 FSI 45 min Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.27	95.52	Initial Hydro-static
1	40.62	94.68	Open To Flow (1)
28	62.58	98.36	Shut-In(1)
58	820.56	101.98	End Shut-In(1)
58	69.32	101.86	Open To Flow (2)
99	114.25	105.00	Shut-In(2)
145	694.91	107.45	End Shut-In(2)
146	1731.97	107.86	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
212.00	Clean gassy oil 100%	2.97
63.00	VGOCM Gas 65% Mud 20% Oil 15%	0.88

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations
 8411 Preston RD STE 800
 Dallas TX 75225
 ATTN: Wyatt Urban

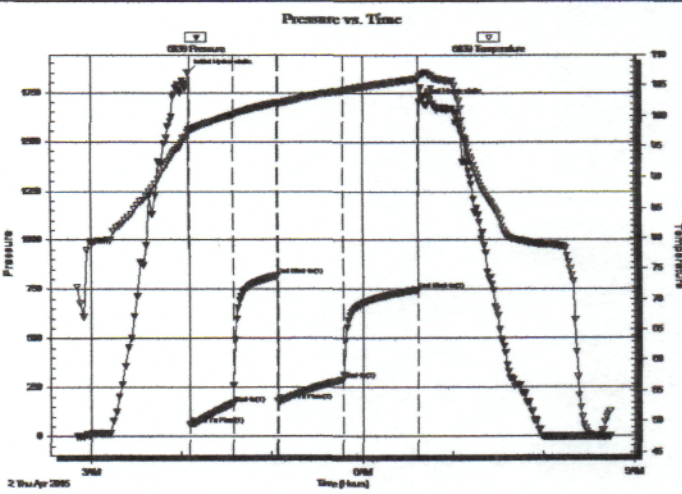
22-21-12w Stafford
Hammeke M #9
 Job Ticket: 62880 **DST#: 4**
 Test Start: 2015.04.02 @ 02:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:05:30
 Time Test Ended: 08:43:30
 Interval: **3618.00 ft (KB) To 3633.00 ft (KB) (TVD)**
 Total Depth: 3633.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59
 Reference Elevations: 1848.00 ft (KB)
 1840.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 290.78 psig @ 3628.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.04.02 End Date: 2015.04.02 Last Calib.: 2015.04.02
 Start Time: 02:51:00 End Time: 08:43:30 Time On Btrr: 2015.04.02 @ 04:05:00
 Time Off Btrr: 2015.04.02 @ 06:37:30

TEST COMMENT: IFP 30 min BOB in 6 min
 ISI 30 min Yes blow back
 FFP 45 min BOB in 8 min
 FSI 45 min Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.06	97.59	Initial Hydro-static
1	59.69	97.31	Open To Flow (1)
30	167.33	100.06	Shut-in(1)
59	818.75	102.11	End Shut-in(1)
59	177.78	101.93	Open To Flow (2)
102	290.78	104.07	Shut-in(2)
152	747.10	105.99	End Shut-in(2)
153	1702.71	106.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean oil 100%	0.07
610.00	Water 100%	8.56

Gas Rates

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

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. 1142

Date	3-27-15	Sec.	22	Twp.	21	Range	12	County	Stafford	State	Ks	On Location	Finish	9:15 PM
------	---------	------	----	------	----	-------	----	--------	----------	-------	----	-------------	--------	---------

Lease Hammeke "m" Well No. 9 Location Dactmouth, Ks - 115 to 170 Rd, 35

Contractor Southwind 3 Owner 2 1/2 E, N into
To Quality Oilwell Cementing, Inc.

Type Job Surface You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 637' Charge Maio oil operations

Csg. 8 5/8" Depth 635' 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. 15' Shoe Joint 15' Cement Amount Ordered 400 60/40 3% CC 2% Gel

Meas Line Displace 39 1/2 BLS 1/2 # Flowseal

EQUIPMENT

Pumptrk	No.	Cementer		Common
		Helper	<u>Billy</u>	Poz. Mix
Bulktrk	No.	Driver	<u>Nick</u>	Gel.
		Driver	<u>Rick</u>	Calcium

JOB SERVICES & REMARKS

Remarks:	<u>Cement did Circulate</u>	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38

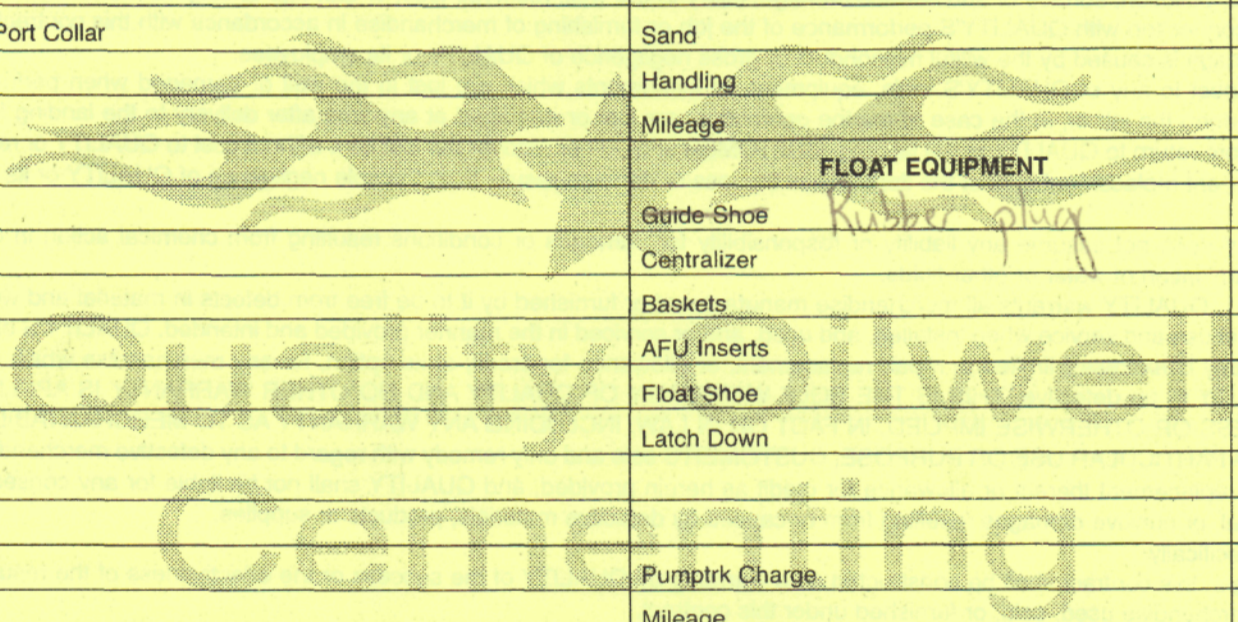
FLOAT EQUIPMENT

Guide Shoe	<u>Rubber plug</u>
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	
Mileage	

	Tax	
	Discount	
	Total Charge	

X Signature Jay Klein



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. 1255

MID-NIGHT 4-3-2015

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-2-2015	22	21	12	STAFFORD	KANSAS		6:30 AM
				Location			
				DARTMOUTH 115 2 1/2 E 1/2 N 1/4 W T120			

Lease	Well No.	Owner	
Hammeke "M"	#9	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.	
SOUTH WIND DRIG. Rig #3			
Type Job	Charge To		
PRODUCTION STRING	MAE OIL OPERATION, INC.		
Hole Size	T.D.	Street	
7 7/8	3700'		
Csg.	Depth	City	
5 1/2 used	3698'	State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered	
Tool	Depth	160 SX 60/40 10% SALT 2% GEL	
LATCH DOWN PLUG	BAFFLE @ 3672	Y4 # F10-892L	
Cement Left in Csg.	Shoe Joint		
25.31	25.31		
Meas Line	Displace		
	89 3/4 / BBL		

EQUIPMENT

Pumptrk	No.	Cementer	Helper	Driver	Driver	Driver	Driver	Common
16		Glenn G.	Cody B.	DAVID L.				Poz. Mix
Bulktrk	No.	Driver	Driver	Driver	Driver			Gel.
14								Calcium
Bulktrk	No.	Driver	Driver					

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
30 SX	Flowseal
Mouse Hole	Kol-Seal
-112-	Mud CLR 48 1000 GAL
Centralizers	CFL-117 or CD110 CAF 38
1-13, + 15	Sand
Baskets	Handling
	Mileage
D/V or Port Collar	

FLOAT EQUIPMENT

Ran 88 used JOINTS OF 14 # csg.	Guide Shoe
Set @ 3698', Receive Circ. Drop AFU BAN	Centralizer
Circulate 45 minutes on bottom.	Baskets
Pump 1000 GAL mud-cld, Plug Rat, &	AFU Inserts
add hole, 30sx Cement w/ 130 S	Float Shoe
6940 10% SALT 2% GEL, 4 F10 Seal.	Latch Down
Clear-Line, Release LATCH DOWN	
Plug & Displace A TOTAL OF	Pumptrk Charge
1 BBL H ₂ O - HAD 600 #	Mileage
LIFT, PRESSURE, LAND Plug @	
Release Pressure & AFU-Plug-(HEAD)	
X Signature	Tax
	Discount
	Total Charge