



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1158744
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: _____



1158744

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Ludwig-Morgenstern Unit 1
Doc ID	1158744

Tops

Name	Top	Datum
Anhydrite	907	+1015
Topeka	2861	-939
Heebner	3094	-1172
Toronto	3105	-1183
Brown Lime	3158	-1236
Lansing	3172	-1250
Base Kansas City	3381	-1459
Arbuckle	3420	-1498

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 17, 2013

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-009-25855-00-00
Ludwig-Morgenstern Unit 1
SW/4 Sec.08-17S-14W
Barton 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,
Allen Bangert

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Ludwig-Morgenstern Unit #1
SW-SE-SE-SW (1450' FSL & 2040' FWL)
Section 8-17s-14w
Barton County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: July 24, 2013
Completed: July 31, 2013
Elevation: 1922' K.B; 1920' D.F; 1914' G.L.
Casing program: Surface; 8 5/8" @ 901'
Production; 5 1/2" @ 3492'
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 five (5) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors Completion and Production Services Co; Dual Induction, Compensated Density/Neutron Log and Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	907	+1015
Base Anhydrite	937	+985
Topeka	2861	-939
Heebner	3094	-1172
Toronto	3105	-1183
Brown Lime	3158	-1236
Lansing	3172	-1250
Base Kansas City	3381	-1459
Conglomerate	3390	-1468
Arbuckle	3420	-1498
Rotary Total Depth	3491	-1569
Log Total Depth	3493	-1521

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

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

TOPEKA SECTION

3010-3030' Limestone; gray, finely crystalline, few granular, poor visible porosity, questionable stain, no free oil and no odor.

3038-3060' Limestone; white/gray, finely crystalline, fossiliferous, chalky, poor visible porosity, black and brown stain, plus white chalk.

TORONTO SECTION

3105-3120' Limestone; white/gray, finely crystalline, chalky, few fossiliferous, poor porosity, trace brown stain, no free oil and no odor.

LANSING SECTION

3172-3175' Limestone; tan, brown, fossiliferous in part, dark brown spotty stain, no free oil and no odor.

3180-3196' Limestone; tan, cream, oomoldic, good oomoldic porosity, brown stain, show of free oil and fair to good odor in fresh samples.

Drill Stem Test #1 3161-3200'

Times: 30-30-45-45

Blow: Weak building to good

**Recovery: 186' gas in pipe
 62' muddy gassy oil
 (10% gas, 45% oil, 10% water, 35% mud)**

**Pressures: ISIP 416 psi
 FSIP 412 psi
 IFP 16-27 psi
 FFP 30-39 psi
 HSH 1512-1493 psi**

3223-3226' Limestone; white, fossiliferous, oolitic, chalky, trace brown stain, weak show of free oil and no odor in fresh samples.

3228-3236' Limestone; as above, oolitic, chalky, brown and black stain, no free oil and no odor.

3242-3248' Limestone; as above, brown and golden brown stain, trace of free oil and faint odor.

3250-3256' Limestone; tan, gray, oomoldic, fair oomoldic porosity, brown and golden brown stain, show of free oil and odor in fresh samples.

Drill Stem Test #2 3210-3256'

Times: 30-30-30-45

Blow: Strong; gas to surface 5 minutes into ISIP, TSTM

**Recovery: 380' clean oil
 310' muddy gassy oil
 (20% gas, 65% oil 15% mud)**

**Pressures: ISIP 529 psi
 FSIP 539 psi
 IFP 92-172 psi
 FFP 194-223 psi**

HSH 1536-1511 psi

- 3256-3270' Limestone; as above, trace stain, no free oil and no odor.
- 3306-3312' Limestone; gray, white, chalky, few fossiliferous, sub oomoldic, trace gray and brown stain, no free oil and questionable odor in fresh samples.
- 3322-3328' Limestone; white, oolitic, chalky, scattered porosity, light brown to brown stain, weak show of free oil and questionable odor in fresh samples.
- 3340-3349' Limestone; gray, cream, oolitic, oomoldic, brown and black (gilsonitic) stain, trace of free oil and faint odor in fresh samples.
- 3360-3364' Limestone; as above, brown stain, trace of free oil and questionable door.
- 3370-3384' Limestone; cream, white, fossiliferous, chalky, poor porosity, trace brown stain, no free oil and no odor.

Drill Stem Test #3 3296-3382'

Times: 30-30-30-45

Blow: Strong

**Recovery: 75' gas in pipe
 250' clean oil
 280' muddy gassy oil
 (30% gas, 40% oil, 30% mud)
 186' very gassy muddy oil
 (55% gas, 39% oil, 6% mud, 20% water)**

**Pressures: ISIP 727 psi
 FSIP 695 psi
 IFP 39-174 psi
 FFP 182-265 psi
 HSH 1594-1577 psi**

ARBUCKLE SECTION

- 3420-3433' Dolomite; white, cream, medium crystalline, scattered porosity, brown and golden brown stain, trace of free oil and faint odor in fresh samples.

Drill Stem Test #4 3371-3431' (log measurements 3373-3433)

Times: 45-30-45-45

Blow: Weak

**Recovery: 80' gas in pipe
 2' clean oil
 80' heavy oil and gas cut mud
 (5% gas, 30% oil, 65% mud)**

Pressures: ISIP 588 psi
FSIP 443 psi
IFP 17-26 psi
FFP 23-33 psi
HSH 1643-1591 psi

3433-3443' Dolomite; as above, fair to good porosity, fair stain and saturation, show of free oil and odor in fresh samples.

Drill Stem Test #5 3371-3441' (log measurements 3373-3443)

Times: 45-30-45-45

Blow: Weak

Recovery: 40' gas in pipe
2' clean oil
20' oil cut mud
(10% gas, 5% oil, 85% mud)

Pressures: ISIP 153 psi
FSIP 136 psi
IFP 21-43 psi
FFP 45-53 psi
HSH 1626-1611 psi

3343-3360' Dolomite; white, cream, medium crystalline, few coarse crystalline, fair to good intercrystalline porosity, light brown stain, show of free oil and faint odor in fresh samples.

3360-3380' Dolomite; white, cream, medium crystalline, few coarse crystalline, fair to good intercrystalline porosity, light brown stain, show of free oil and faint odor in fresh samples.

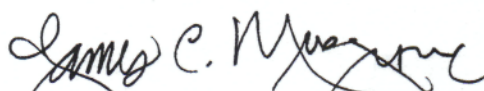
3380-3493' Dolomite; as above, plus white chert.

Rotary Total Depth 3491
Log Total Depth 3493

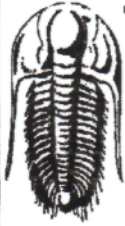
Recommendations:

5 1/2" production casing was set and cemented on the Ludwig-Morgenstern Unit #1.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operation Inc
8411 Preston Rd
Ste 800
Dallas Texas 75225-5520
ATTN: Kurt Mai

8-17s-14w Barton

Ludwig-Morgenstern#1
Job Ticket: 54260 **DST#: 2**
Test Start: 2013.07.28 @ 16:55:17

GENERAL INFORMATION:

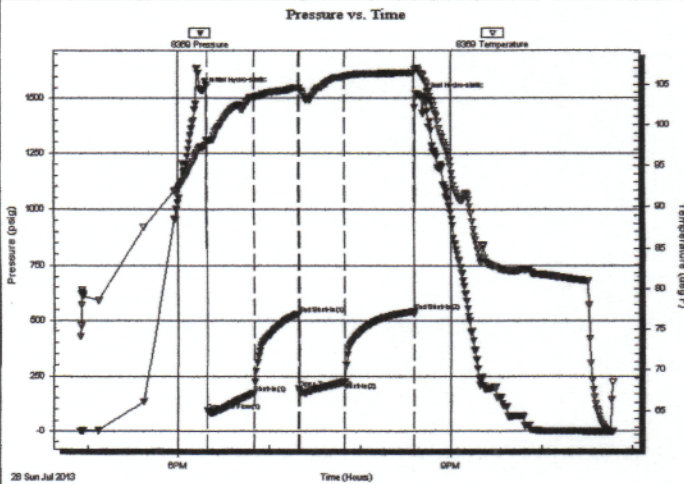
Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:18:57
Time Test Ended: 22:47:26
Interval: **3210.00 ft (KB) To 3256.00 ft (KB) (TVD)**
Total Depth: 3256.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 70
Reference Elevations: 1928.00 ft (KB)
1920.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8369

Inside

Press@RunDepth: 223.92 psig @ 3220.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.28 End Date: 2013.07.28 Last Calib.: 2013.07.28
Start Time: 16:55:17 End Time: 22:47:26 Time On Btm: 2013.07.28 @ 18:16:42
Time Off Btm: 2013.07.28 @ 20:39:57

TEST COMMENT: 30-IFP-strg bl in 30 sec
30-ISIP-GTS in 5 min gd bl bk
30-FFP-strg bl GTS to wk to gauge
45-FSIP-gd bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.58	97.27	Initial Hydro-static
3	92.49	97.83	Open To Flow (1)
34	172.97	103.49	Shut-In(1)
63	529.34	104.65	End Shut-In(1)
63	194.30	104.55	Open To Flow (2)
94	223.92	106.01	Shut-In(2)
139	539.94	106.47	End Shut-In(2)
144	1511.44	106.37	Final Hydro-static

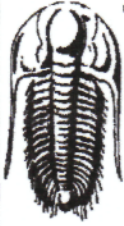
Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
380.00	CO	5.33
310.00	MGO 20%G15%M65%O	4.35

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operation Inc
 8411 Preston Rd
 Ste 800
 Dallas Texas 75225-5520
 ATTN: Kurt Mai

8-17s-14w Barton
Ludwig-Morgenstern#1
 Job Ticket: 54262 **DST#: 4**
 Test Start: 2013.07.30 @ 02:15:33

GENERAL INFORMATION:

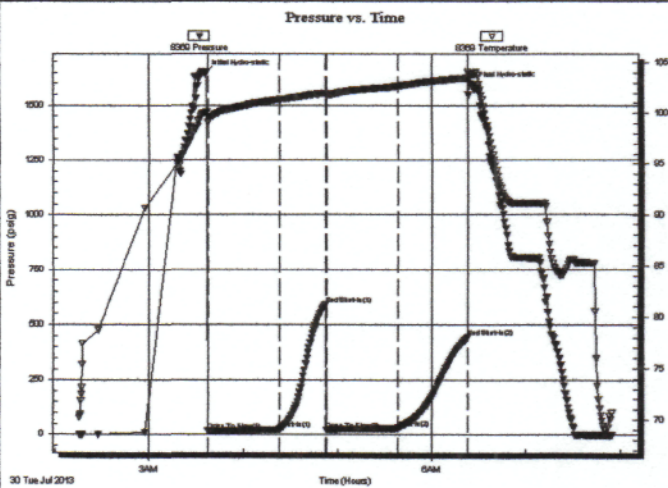
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:37:13
 Time Test Ended: 07:54:57
 Interval: **3371.00 ft (KB) To 3431.00 ft (KB) (TVD)**
 Total Depth: 3431.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1928.00 ft (KB)
 1920.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8369

Inside

Press@RunDepth: 33.50 psig @ 3376.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.30 End Date: 2013.07.30 Last Calib.: 2013.07.30
 Start Time: 02:15:33 End Time: 07:54:57 Time On Btm: 2013.07.30 @ 03:35:58
 Time Off Btm: 2013.07.30 @ 06:25:43

TEST COMMENT: 45-IFP-w k bl, 1/2" to 1 1/2" bl
 30-ISIP-no bl
 45-FFP-w k bl, surface to 1/4" bl
 45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.51	100.05	Initial Hydro-static
2	17.93	99.12	Open To Flow (1)
47	26.46	101.36	Shut-In(1)
77	588.63	102.00	End Shut-In(1)
77	23.21	101.83	Open To Flow (2)
123	33.50	102.69	Shut-In(2)
167	443.04	103.50	End Shut-In(2)
170	1591.93	103.81	Final Hydro-static

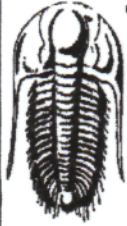
Recovery

Length (ft)	Description	Volume (bbl)
0.00	80'GIP	0.00
2.00	CO	0.03
38.00	HO&GCM 5%G30%O65%M	0.53

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operation Inc
8411 Preston Rd
Ste 800
Dallas Texas 75225-5520
ATTN: Kurt Mai

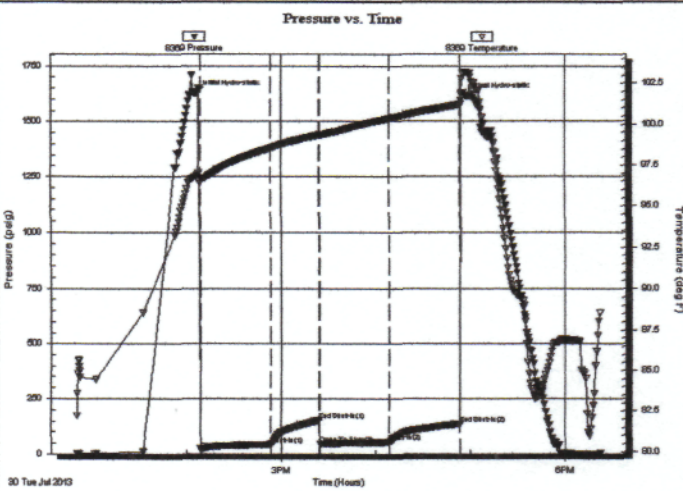
8-17s-14w Barton
Ludwig-Morgenstern#1
Job Ticket: 54263 DST#: 5
Test Start: 2013.07.30 @ 12:50:51

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 14:08:46 Tester: Ray Schwager
Time Test Ended: 18:22:30 Unit No: 70
Interval: 3371.00 ft (KB) To 3441.00 ft (KB) (TVD) Reference Elevations: 1928.00 ft (KB)
Total Depth: 3441.00 ft (KB) (TVD) 1920.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: 53.92 psig @ 3375.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.30 End Date: 2013.07.30 Last Calib.: 2013.07.30
Start Time: 12:50:51 End Time: 18:22:30 Time On Btm: 2013.07.30 @ 14:06:31
Time Off Btm: 2013.07.30 @ 16:58:01

TEST COMMENT: 45-IFP-w k bl , 1/2"to3"bl
30-ISIP-no bl
45-FFP-w k bl , surface to 1/4"bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.45	96.84	Initial Hydro-static
3	21.99	96.41	Open To Flow (1)
48	43.04	98.57	Shut-In(1)
78	153.22	99.37	End Shut-In(1)
78	45.50	99.33	Open To Flow (2)
123	53.92	100.36	Shut-In(2)
167	136.28	101.23	End Shut-In(2)
172	1611.72	103.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40'GIP	0.00
2.00	CO	0.03
20.00	O&GCM 10%G5%O85%M	0.28
60.00	O&GCMW 5%G5%O40%M50%W	0.84

* 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
Cell 785-324-1041

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

No. **6718**

Date	7-31-13	Sec.	8	Twp.	17	Range	14	County	Barton	State	KS	On Location	8:30 AM 12:45 PM
Lease	Ludwig-Margenstern			Well No.	2			Owner	NINTO (Egg for 2 1/2)				
Contractor	Southwell 3			Location				251 and 150th 2 1/2 W					
Type Job	Pipe Job			Charge To				Main Oil					
Hole Size	7 7/8			T.D.	3491.2			Street					
Csg.	520			Depth	3480.8			City					
Tbg. Size				Depth				State					
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.	21.3 ft			Shoe Joint	21.3 ft			Cement Amount Ordered					
Meas Line	14 #			Displace	84.5 BBL			160 6% 10% Salt					
EQUIPMENT								Common					
Pumptrk	No.	Cementer						Poz. Mix					
Bulktrk	No.	Driver						Gel.					
Bulktrk	No.	Driver						Calcium					
JOB SERVICES & REMARKS								Hulls					
Remarks:								Salt					
Rat Hole	305K							Flowseal					
Mouse Hole								Kol-Seal					
Centralizers	F-8							Mud CLR 48 1000 g					
Baskets	Starts up from bottom of 2							CFL-117 or CD110 CAF 38					
D/V or Port Collar								Sand					
Dropped Ball Circulate								Handling					
1 hour Run flush 10 BBL								Mileage					
Water Gel mud mix 130 SL								SLD FLOAT EQUIPMENT					
down hole displace								Guide Shoe					
with water 84.5 BBL								Centralizer turbos 8					
								Baskets 1 weatherford					
L.F. + 700 PSI								AFU Inserts					
band 1200 PSI								Float Shoe 1					
								Latch Down 1					
								Pumptrk Charge					
								Mileage					
								Tax					
								Discount					
X Signature <i>Burt Hornum</i>								Total Charge					

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. 7273

Date	7-25-13	Sec.	8	Twp.	17	Range	14	County	Barton	State	Ks	On Location		Finish	9:00 AM
------	---------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location 281 + 4 3N 2 1/2 W 14 In 10

Lease	Ludwig Morgenstern	Well No.	#1	Owner	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.
Contractor	Southwind #3			Charge To	Main oil
Type Job				Street	
Hole Size	12 1/4	T.D.	901'	City	State
Csg.	8 5/8	Depth	891'	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	350 60/40 3+2
Tool		Depth			
Cement Left in Csg.	30'	Shoe Joint			
Meas Line		Displace	54 3/4 bbl		

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Billy	Common
Bulktrk	13	No.	Driver	Clayton	Poz. Mix
Bulktrk	PU	No.	Driver	Brett	Gel.
			Driver		Calcium

JOB SERVICES & REMARKS

Remarks:	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
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

Cement	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge

Mileage

X Signature *[Signature]*

Tax
Discount
Total Charge

