



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236105
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: _____



1236105

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	Reidl 2
Doc ID	1236105

Tops

Name	Top	Datum
Anhydrite	840	+1079
Topeka	2718	-799
Heebner	3030	-1111
Toronto	3045	-1126
Brown Lime	3112	-1193
Lansing	3121	-1202
Base Kansas City	3334	-1415
Arbuckle	3345	-1426

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
RiedL #2
SW-SW-SE-NE (2320' FNL & 1125' FEL)
Section 32-16s-13w
Barton County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: July 28, 2014
Completed: August 3, 2014
Elevation: 1919' K.B., 1917' D.F., 1911' G.L.
Casing program: Surface; 8 5/8" @ 514'
Production, 5 1/2" @ 3434'
Sample: Samples saved and examined 2900' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2900 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 Diamond Testing Co.
Electric Log: By Nabors; Dual Induction, Compensated Density/Neutron Log and Micro & Sonic.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	840	+1079
Base Anhydrite	870	+1049
Topeka	2718	-799
Heebner	3030	-1111
Toronto	3045	-1126
Brown Lime	3112	-1193
Lansing	3121	-1202
Base Kansas City	3334	-1415
Erosional Arbuckle	3340	-1421
Arbuckle	3345	-1426
Quartzite	3394	-1475
Rotary Total Depth	3432	-1513
Log Total Depth	3437	-1518

All tops and zones corrected to Electric Log Measurement.

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

TOPEKA SECTION

- 2980-3000' Limestone, cream, finely crystalline, fossiliferous, poorly developed porosity; spotty black stain, no free oil and no odor.
- 3000-3020' Limestone, cream, tan finely crystalline, fossiliferous, scattered porosity; trace spotty black stain, no free oil and no odor.

TORONTO SECTION

- 3045-3056' Limestone, cream, finely crystalline, few fossiliferous, poorly developed porosity, black/dark brown stain, no free oil and no odor.

LANSING SECTION

- 3121-3129' Limestone, cream, finely crystalline, scattered pinpoint and inter-crystalline porosity, trace poor stain, no free oil and faint odor in fresh samples.
- 3134-3140' Limestone, cream, finely crystalline, fossiliferous, cherty in part, poor visible porosity, no shows.
- 3150-3154' Limestone, cream, finely crystalline, oomoldic in part, fair oomoldic porosity, trace brown stain, show of free oil and very faint odor in fresh samples.
- 3171-3174' Limestone, cream, finely crystalline, poor visible porosity, black stain, trace of free oil and faint odor in fresh samples.

Drill Stem Test #1 3118-3174

(Log Measurements 3120-3176)

Times: 30-30-30-45

Blow: Weak

Recovery: 90' mud

**Pressures: ISIP 901 psi
FSIP invalid psi
IFP 54-60 psi
FFP 67 psi
HSH 1476-1448 psi**

(Remark: Slid tool 20' to bottom)

3180-3186' Limestone, cream gray, finely crystalline, poor visible porosity, black stain, trace of free oil and no odor in fresh samples.

Drill Stem Test #2 **3140-3190**
(Log Measurements 3142-3192)

-Misrun- Hit a bridge

Drill Stem Test #3 **3140-3190**
(Log Measurements 3142-3192)

-Misrun- Slide tool

3196-3207' Limestone, white, cream, finely crystalline, oolitic, oomoldic, good oomoldic porosity, trace stain, no free oil and very faint odor in fresh samples.

3214-3223' Limestone, white, cream, tan, finely crystalline, oomoldic; scattered oomoldic porosity, slightly chalky, no shows.

3230-3246' Limestone, tan, gray, finely crystalline, poor visible porosity, cherty in part, no shows.

3256-3264' Limestone, tan, gray finely crystalline, poor scattered porosity, trace spotty stain, no free oil and faint odor.

3271-3284' Limestone, cream, light gray, finely crystalline, oolitic, poor scattered porosity, slightly chalky, no shows.

3285-3300' Limestone, cream, tan, light gray, finely crystalline, oolitic, poor pinpoint chalky, few cherty.

3315-3326' Limestone, white, cream, fine to medium crystalline, slightly sucrosic, oolitic in part, poor visible porosity, few cherty.

ARBUCKLE SECTION

3340-3345' Dolomite, white, light gray, finely crystalline, erosional.

3345-3351' Dolomite, white, finely crystalline, poor inter-crystalline porosity, golden brown stain, trace show of free oil and faint odor in fresh samples.

Drill Stem Test #4

3225-3349

(Log Measurements 3327-3351)

Times: 30-45-30-45
Blow: Weak
Recovery: 10' gassy oil
70' mud cut water
(20% mud; 80% water)
Pressures: ISIP 1063 psi
FSIP 1063 psi
IFP 16-37 psi
FFP 40-57 psi
HSH 1587-1551 psi

3351-3359' Dolomite, white, fine to medium crystalline, poor to fair inter-crystalline porosity, golden brown stain, fair show of free oil and faint odor in fresh samples.

Drill Stem Test #5

3325-3357

(Log Measurements 3327-3359)

Times: 30-30-45-60
Blow: Strong
Recovery: 850' gassy mud cut watery oil
(10% gas; 15% mud; 35% water; 40% oil)
310' oil and gas cut muddy water
(5% gas; 5% mud; 10% oil; 80% water)
Pressures: ISIP 1051 psi
FSIP 1058 psi
IFP 52-95 psi
FFP 400-677 psi
HSH 1578-1551 psi

3359-3380' Dolomite, white, fine to medium crystalline, poor to fair inter-crystalline porosity, trace stain, no free oil and no shows.

3380-3394' Dolomite, as above; chalky, luster slightly sandy, no shows.

QUARTZITE SECTION

3394-3434' Quartz, clean, glassy, angular; fractured; no shows.

Mai Oil Operations
RiedL #2
SW-SW-SE-NE (2320' FNL & 1125' FEL)
Section 32-16s-13w
Barton County, Kansas

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Rotary Total Depth	3432
Log Total Depth	3434

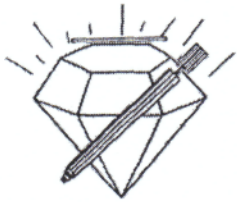
Recommendations:

5 ½" production casing set and cemented on the Mai Oil Operations Inc., RiedL #2.

Respectfully yours,

A handwritten signature in cursive script that reads "Kurt Talbott". The signature is written in black ink and includes a long, sweeping horizontal flourish at the end.

Kurt Talbott
Petroleum Geologist



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Riedl2dst1

Company Mai Oil Operations, Inc. Lease & Well No. Riedl No. 2
Elevation 1919 KB Formation Lansing/Kansas City "A-D" Effective Pay _____ Ft. Ticket No. J3261
Date 8-1-14 Sec. 32 Twp. 16S Range 13W County Barton State Kansas
Test Approved By Clint Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,118 ft. to 3,174 ft. Total Depth 3,174 ft.
Packer Depth 3,113 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,118 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,121 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,171 ft. Recorder Number 13498 Cap. 6,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft I.D. _____ in.
Weight 8.4 Water Loss 9.2 cc. Drill Pipe Length 3,098 ft I.D. 3 1/2 in.
Chlorides 3,100 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 26' perf. w/30' drill pipe ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

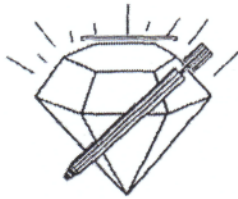
Blow: 1st Open: Weak, 1 in. blow throughout. No blow back during shut-in.

2nd Open: No blow. Flushed tool & received a very weak blow. Died in 10 mins. No blow back during shut-in.

Recovered 90 ft. of drilling mud = 1.280700 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud
Tool slid 20 ft. to bottom when opened, supercharging the hole. MISRUN!

Time Set Packer(s) 1:50 A.M. Time Started off Bottom 4:05 A.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1476 P.S.I.
Initial Flow Period.....Minutes 30 (B) 54 P.S.I. to (C) 60 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 981 P.S.I.
Final Flow Period.....Minutes 30 (E) 68 P.S.I. to (F) 67 P.S.I.
Final Closed In Period.....Minutes 45 (G) 1030 (INVALID) P.S.I.
Final Hydrostatic Pressure.....(H) 1448 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Riedl2dst2

Company Mai Oil Operations, Inc. Lease & Well No. Riedl No. 2
Elevation 1919 KB Formation Lansing/Kansas City "D-F" Effective Pay _____ Ft. Ticket No. J3262
Date 8-1-14 Sec. 32 Twp. 16S Range 13W County Barton State Kansas
Test Approved By Kurt M. Talbott Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,140 ft. to 3,190 ft. Total Depth 3,190 ft.
Packer Depth 3,135 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,140 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,143 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,187 ft. Recorder Number 13498 Cap. 6,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

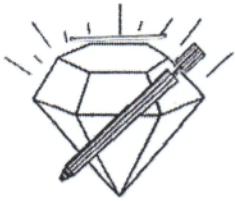
Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.0 Water Loss 9.2 cc. Drill Pipe Length 3,120 ft I.D. 3 1/2 in.
Chlorides 3,100 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 18' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: MISRUN!
2nd Open: N/A

Recovered 80 ft. of drilling mud = 1.138400 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud
Hit fill 20 ft. off bottom. Lost packer seat trying to slide to bottom. Came back out of hole.

Time Set Packer(s) _____ Time Started off Bottom _____ Maximum Temperature 103°
Initial Hydrostatic Pressure.....(A) 1493 P.S.I.
Initial Flow Period.....Minutes 0 (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period.....Minutes 0 (D) _____ P.S.I.
Final Flow Period.....Minutes 0 (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period.....Minutes 0 (G) _____ P.S.I.
1457 P.S.I.



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
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 STC/Riedl2dst3

Company Mai Oil Operations, Inc. Lease & Well No. Riedl No. 2
 Elevation 1919 KB Formation Lansing/Kansas City "D-F" Effective Pay _____ Ft. Ticket No. J3263
 Date 8-1-14 Sec. 32 Twp. 16S Range 13W County Barton State Kansas
 Test Approved By Kurt M. Talbott Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,140 ft. to 3,190 ft. Total Depth 3,190 ft.
 Packer Depth 3,135 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,140 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,143 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,187 ft. Recorder Number 13498 Cap. 6,000 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

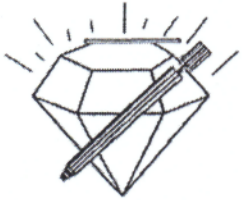
Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft I.D. _____ in.
 Fluid Type Chemical Viscosity 63 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 9.3 cc. Drill Pipe Length 3,120 ft I.D. 3 1/2 in.
 Chlorides 3,100 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
 Bars: Make Sterling Serial Number Not Run Anchor Length 18' perf. w/32' drill pipe Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Flow: 1st Open: Weak blow. Died in 5 mins. No blow back during shut-in.
 2nd Open: No blow. Flushed tool but of no help. No blow back during shut-in.

Recovered 25 ft. of drilling mud = .355750 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud
Worked tool through bridge 30 ft. off bottom. MISRUN! Flows showed severe plugging.

Time Set Packer(s) 7:40 P.M. Time Started off Bottom 9:40 P.M. Maximum Temperature 106°
 Initial Hydrostatic Pressure.....(A) 1492 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 29 P.S.I. to (C) 918 (INVALID) P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 1124 P.S.I.
 Final Flow Period.....Minutes 30 (E) 56 P.S.I. to (F) 960 (INVALID) P.S.I.
 Final Closed In Period.....Minutes 30 (G) 1152 P.S.I.
 Final Hydrostatic Pressure.....(H) 1457 P.S.I.



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STC/Riedl2dst4

Company Mai Oil Operations, Inc. Lease & Well No. Riedl No. 2
Elevation 1919 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. J3264
Date 8-2-14 Sec. 32 Twp. 16S Range 13W County Barton State Kansas
Test Approved By Kurt M. Talbott Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,325 ft. to 3,349 ft. Total Depth 3,349 ft.
Packer Depth 3,320 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,325 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,328 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,346 ft. Recorder Number 13498 Cap. 6,000 psi.
Flow Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 63 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 3,305 ft I.D. 3 1/2 in.
Chlorides 6,100 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Mud: Make Sterling Serial Number Not Run Anchor Length 24 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Flow: 1st Open: Weak, 1 in. blow throughout. No blow back during shut-in.
2nd Open: Weak, 3/4 in. blow throughout. No blow back during shut-in.

Recovered 10 ft. of gas cut oil = .142300 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 37 @ 60°
Recovered 70 ft. of mud cut water = .996100 bbls. (Grind out: 80%-water; 20%-mud) Chlorides: 16,000 Ppm
Recovered 80 ft. of TOTAL FLUID = 1.138400 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 90%-water; 10%-mud
Sat 30 ft. off bottom the whole test because of fluid in the hole.

Time Set Packer(s) 7:30 P.M. Time Started off Bottom 10:00 P.M. Maximum Temperature 116°
Initial Hydrostatic Pressure.....(A) 1587 P.S.I.
Initial Flow Period.....Minutes 30 (B) 16 P.S.I. to (C) 37 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1063 P.S.I.
Initial Flow Period.....Minutes 30 (E) 40 P.S.I. to (F) 57 P.S.I.
Initial Closed In Period.....Minutes 45 (G) 1063 P.S.I.
1551



DIAMOND TESTING, LLC
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HOISINGTON, KANSAS 67544
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STC/Riedl2dst5

Company Mai Oil Operations, Inc. Lease & Well No. Riedl No. 2
Elevation 1919 KB Formation Arbuckle Effective Pay Ft. Ticket No. J3265
Date 8-3-14 Sec. 32 Twp. 16S Range 13W County Barton State Kansas
Test Approved By Kurt M. Talbott Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,325 ft. to 3,357 ft. Total Depth 3,357 ft.
Packer Depth 3,320 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,325 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,328 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,354 ft. Recorder Number 13498 Cap. 6,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 60 Weight Pipe Length ft. I.D. in.
Weight 9.0 Water Loss 12.0 cc. Drill Pipe Length 3,305 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 32 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 3 mins. No blow back during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket in 3 mins. No blow back during shut-in.

Recovered 850 ft. of gas & mud cut, watery oil = 12.095500 bbls. (Grind out: 10%-gas; 40%-oil; 35%-water; 15%-mud)
Recovered 310 ft. of slightly gas & mud cut, oil cut water = 4.411300 bbls. (Grind out: 5%-gas; 10%-oil; 80%-water; 5%-mud)
Recovered 310 ft. of very slightly oil cut water = 4.411300 bbls. (Grind out: 2%-oil; 98%-water) Chlorides: 16,000 Ppm
Recovered 1,470 ft. of TOTAL FLUID = 20.918100 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 2%-oil; 98%-water

Time Set Packer(s) 6:30 A.M. Time Started off Bottom 9:15 A.M. Maximum Temperature 120°
Initial Hydrostatic Pressure.....(A) 1578 P.S.I.
Initial Flow Period.....Minutes 30 (B) 52 P.S.I. to (C) 395 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 1051 P.S.I.
Final Flow Period.....Minutes 45 (E) 400 P.S.I. to (F) 677 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1058 P.S.I.
Final Hydrostatic Pressure.....(H) 1551 P.S.I.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 323

Cell 785-324-1041

Date	7-28-14	Sec.	32	Twp.	16	Range	13	County	Barton	State	KS	On Location	11:00am	Finish	12:00
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Lease Reidl Well No. 2 Location Sue Smith 15 1/2 W Sinto

Contractor	Southwind	Well No.	2	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.
Type Job	Surface			Charge To	Main Oil
Hole Size	12 1/4	T.D.	514ft	Street	
Csg.	8 5/8	Depth	514ft	City	
Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	30ft	Shoe Joint	30ft	Cement Amount Ordered	750 60/40
Meas Line		Displace	30.5 BBL		3% CC 2% gel

EQUIPMENT

Pumptrk	17	No.	Cementer	Matt	Common
			Helper		
Bulktrk	13	No.	Driver	Lonnie W	Poz. Mix
			Driver		Gel.
Bulktrk	pu	No.	Driver	Billy	Calcium
			Driver		

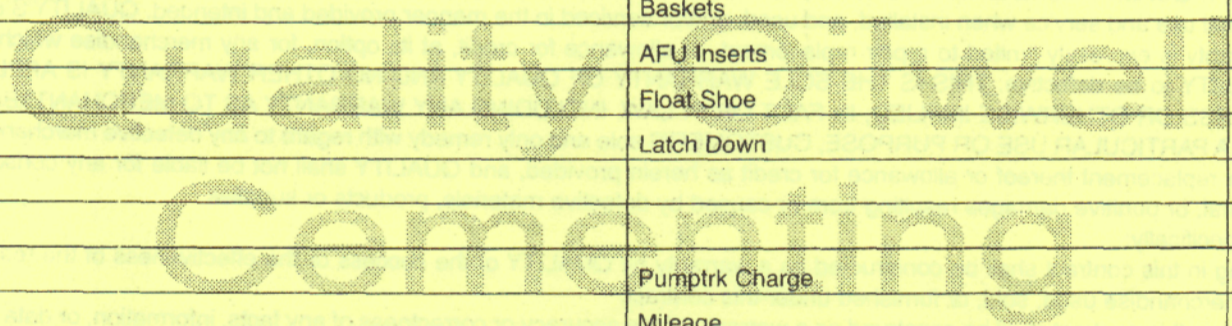
JOB SERVICES & REMARKS

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

Cement did
Circulate

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage



X Signature *[Handwritten Signature]*

tax	
Discount	
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. 528

Date 8-4-14	Sec. 32	Twp. 16	Range 13	County Barton	State KS	On Location	Finish 9:45 AM
				Location S. 15 1/2 W. S. 10			

Lease Red	Well No. #2	Owner
Contractor S. 13		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. 3432'	Charge To Ma. Oil
Csg. 5 1/2	Depth 3430'	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. 19.54	Shoe Joint 19.54	Cement Amount Ordered 160 6 3/4 10% Salt 2 1/2 bbl
Meas Line	Displace 8 1/2 bbl	

EQUIPMENT

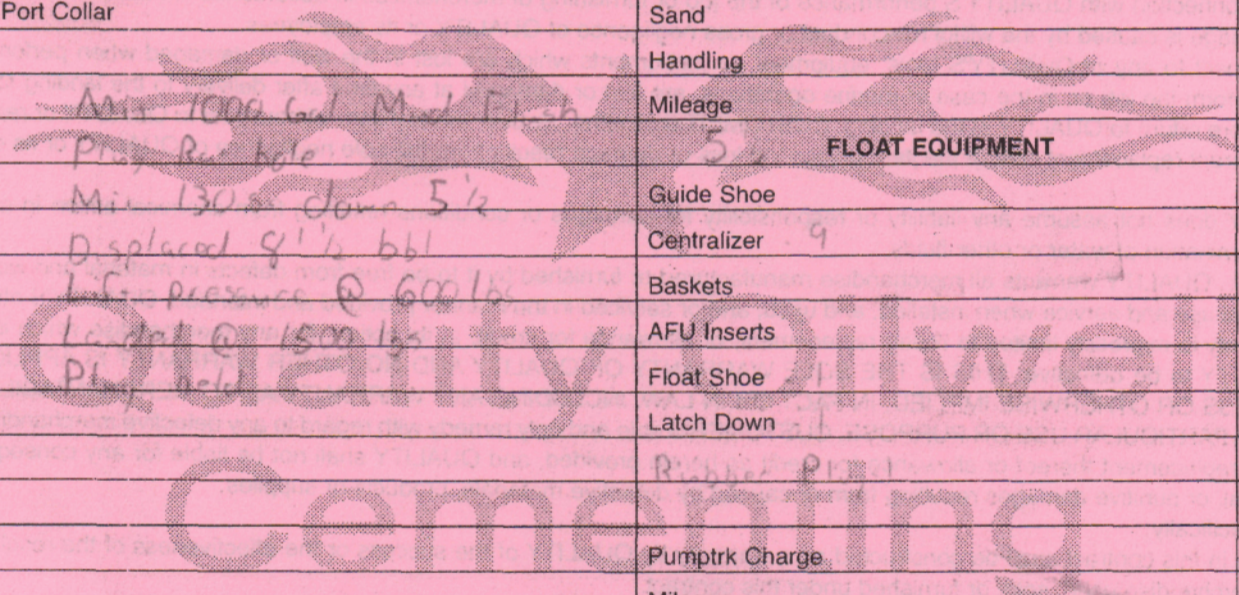
Pumptrk 5	No. Cementer Helper	Common
Bulktrk 14	No. Driver	Poz. Mix
Bulktrk Pu	No. Driver	Gel.
	No. Driver	Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole - 30	Salt
Mouse Hole	Flowseal
Centralizers - 1-7 + 9 + 10	Kol-Seal
Baskets	Mud CLR 48 - 1000 Gal
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer 9
Baskets
AFU Inserts
Float Shoe
Latch Down



Signature	Pumptrk Charge	Mileage	Tax
			Discount
			Total Charge

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

December 22, 2014

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

Re: ACO-1
API 15-009-26009-00-00
Reidl 2
NE/4 Sec.32-16S-13W
Barton County, Kansas

Dear Allen Bangert:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/28/2014 and the ACO-1 was received on December 22, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department