

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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# Musgrove

**PETROLEUM CORPORATION**  
Clairton, Kansas

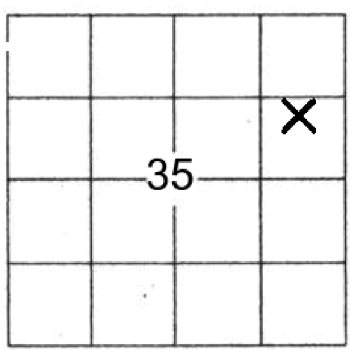
## GEOLOGIST'S REPORT

### DRILLING TIME AND SAMPLE LOG

COMPANY <u>RJM CO.</u>	ELEVATIONS
LEASE <u>AMES UNIT #15</u>	KB <u>1753'</u>
FIELD <u>AMES</u>	DF _____
LOCATION <u>NW-SE-NE-NE</u>	GL <u>1743'</u>
SEC <u>35</u> TWSP <u>18S</u> RGE <u>11W</u>	Measurements Are All From <u>KB</u>
COUNTY <u>Barton</u> STATE <u>Kansas</u>	
CONTRACTOR <u>Southwind Drilling co. (Rig #3)</u>	CASING
SPUD <u>8/08/2019</u> COMP <u>08/17/2019</u>	SURFACE <u>8 5/8" @ 432'</u>
RTD <u>3295'</u> LTD <u>3293'</u>	PRODUCTION <u>5 1/2" @ 3282'</u>
MUD UP <u>2600'</u> TYPE MUD <u>Chemical</u>	ELECTRICAL SURVEYS Pioneer Energy; Services DUCPL, DIL/MEL

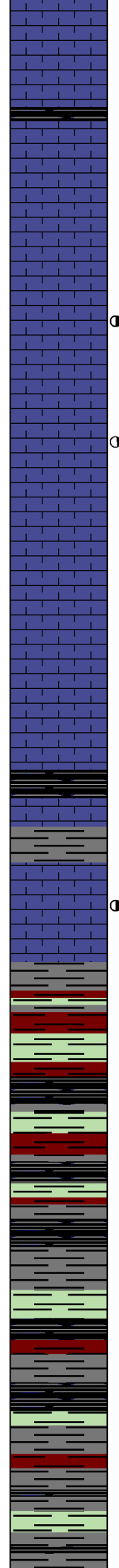
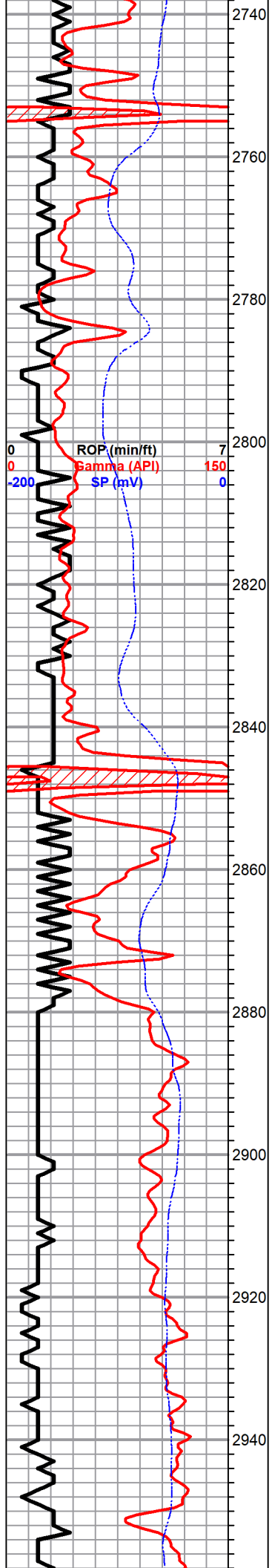
SAMPLES SAVED FROM 2600' TO RTD  
 DRILLING TIME KEPT FROM 2600' TO RTD  
 SAMPLES EXAMINED FROM 2700' TO RTD  
 GEOLOGICAL SUPERVISION FROM 2720' TO RTD  
 GEOLOGIST ON WELL Jim Musgrove

FORMATION TOPS	LOG	<del>SAMPLES</del>
Anhydrite	508 (+1245)	RTD <u>3295 (-1542)</u>
B. Anhydrite	532 (+1221)	LTD <u>3293 (-1540)</u>
Topeka	2581 (-828)	
Heebner	2844 (-1091)	
Toronto	2860 (-1107)	
Brown Lime	2959 (-1206)	
Lansing	2976 (-1223)	
BKC	3231 (-1478)	
Conglomerate	3245 (-1492)	
Arbuckle	3280 (-1527)	



ROCK TYPES





Tr. black carb Sh

LS, white, gry, fxl, few foss, chalky, ??? brown stain , nsfo no odor

LS, white, gry foss, gran, in pt, crumbly scatt. porosity, brn/ blk stain, tr. fo, no odor

LS, a/a

LS white, gry, fxl, few foss, chalky, no shows

**HEEBNER 2845.0 -1092.0**

Sh, black carb

**TORONTO 2862.0 -1109.0**

LS, tan, foss, chalky, tr. spty stain , nsfo , no odor

**DOUGLAS 2877.0 -1124.0**

Sh, gry, greenish,

Sh, gry, gryish green silty mica sd.

Sh, a/a, + v.c. silty

ditto

Sh, gry, lime green silty sh.

0.2 Deep Induction (ohmm) 2000  
 30 Neutron (pu) -10  
 30 Limestone Neutron Por (pu) -10  
 30 Density -10

DST #1 2963-3061  
 45-45-60-60

1st Open:  
 Strong  
 (BOB 5 mins.)  
 GTS Final shut in  
 TSTM

Recovery:  
 2835' GIP

**BROWN LIME 2961.0 -1208.0**

LS, tan, fxl, slightly cherty, poor vis. porosity

Sh, gry / gryish green soft sh.

**LANSING 2978.0 -1225.0**

● LS, white, gry, chalky, foss, in pts. tr. brn stain , nsfo, no odor

● LS, white gry, sub oom chalky, brn/ gry stain , tr. fo no odor

dk blk / gry

● LS cream, white, foss in pt, in pt, chalky, blk stain , nsfo

Sh, gry, LS, a/a,

● LS, tan, ool, chalky, gry - brn stain , tr. fo , no odor

● LS, tan, oom slightly chalky, scattered porosity, brown stain , sfo ??? odor

LS, tan, brn, fxl, chalky, -->cherty, (dense )

Sh, black carb

● LS, white, cream, oom, good oom porosity, tr. golden brn stain , tr. sfo ??? odor

● LS, white, cream, ool, oom fair porosity, sptty stain , sfo, fair odor (3150' sample)

● LS, tan, oom, fr-good oom porosity, brown / golden grown stn, sfo, ft/ fr. odor

-111' slightly oil & gas cut mud ( 5%G, 2%O, 93%M)

Pressures:

ISIP 532 psi  
FSIP 662 psi  
IFP 14-38 psi  
FFP 45-61 psi  
HSH 1378-1370 psi

0.2 Deep Induction (ohmm) 2000  
30 Neutron (pu) -10  
30 Limestone Neutron Por (pu) -10  
30 Density -10

DST#2 3062-3074

1st Open :

weak

Recovery:

84' GIP  
42' slocm  
(3%O, 97%M)

Pressures:

ISIP 390 psi  
FSIP 356 psi  
IFP 12-19 psi  
FFP 20-26 psi  
HSH 1412-1411 psi

DST#3 3103-3203

45-45-45-45

1st Open:

Blow Strong,  
GTS 45 mins. into final flow

Recovery:

10' SL. OCM  
(7%O, 93%M)

126' HO&GCM  
(10%g, 30%O, 60%M)

DST# 1

7

150

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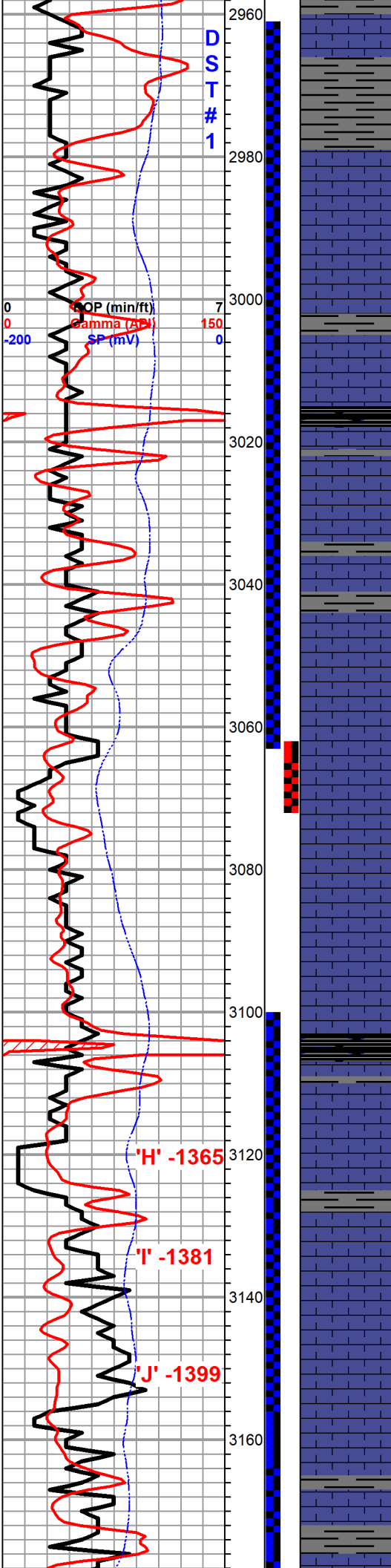
0  
0  
-200

GIP (min/ft)  
Gamma (API)  
SP (mV)

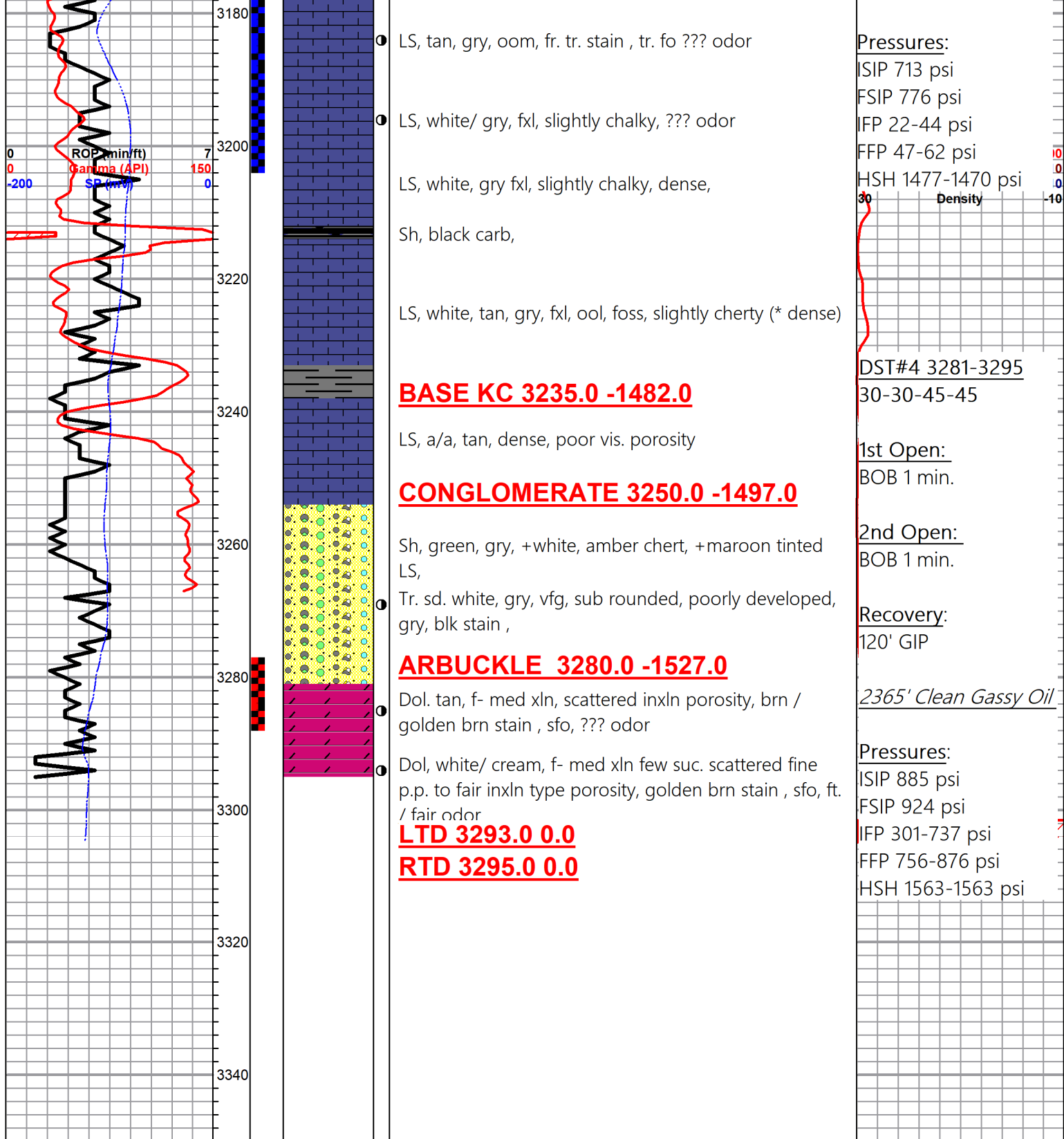
'H' -1365

'I' -1381

'J' -1399











# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 Sur  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**13**  
2019

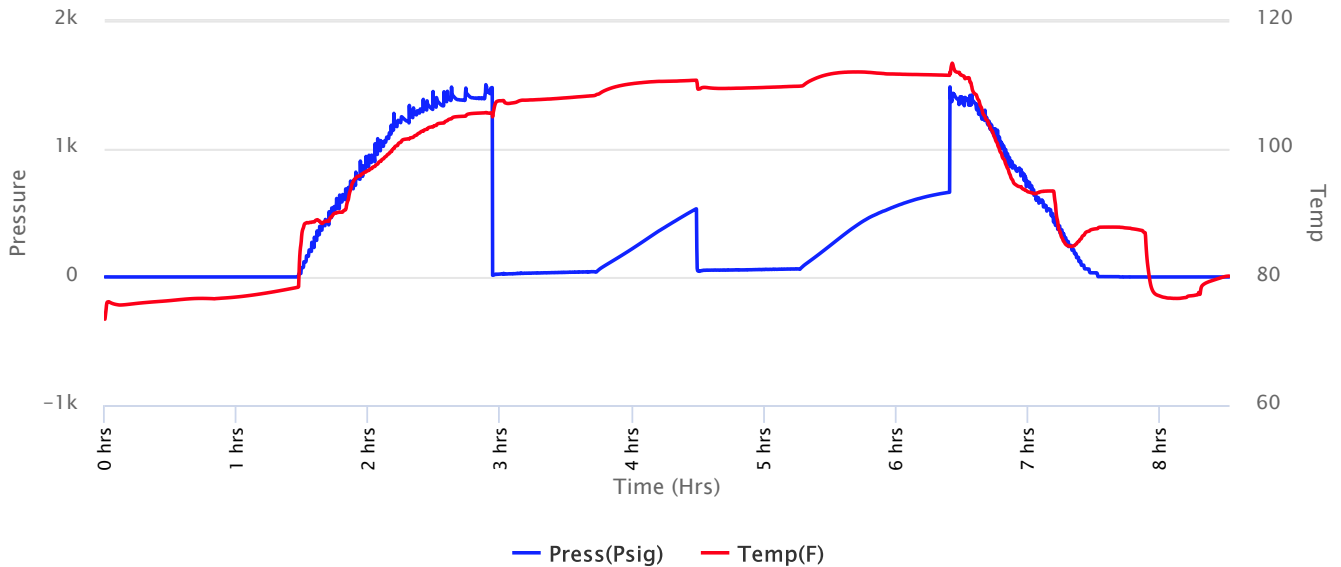
**DST #1    Formation: Lans A-F    Test Interval: 2963 - 3061'    Total Depth: 3061'**

Time On: 00:49 08/13    Time Off: 09:06 08/13  
Time On Bottom: 03:41 08/13    Time Off Bottom: 06:56 08/13

Electronic Volume Estimate:  
2183'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 155" at 45 min	Current Reading: 0" at 45 min	Current Reading: 215.3" at 45 min	Current Reading: 0" at 60 min
Max Reading: 155"	Max Reading: 0"	Max Reading: 215.3"	Max Reading: 0"

Inside Recorder





# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 Sur  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**13**  
2019

**DST #1**    **Formation: Lans A-F**    **Test Interval: 2963 - 3061'**    **Total Depth: 3061'**  
Time On: 00:49 08/13    Time Off: 09:06 08/13  
Time On Bottom: 03:41 08/13    Time Off Bottom: 06:56 08/13

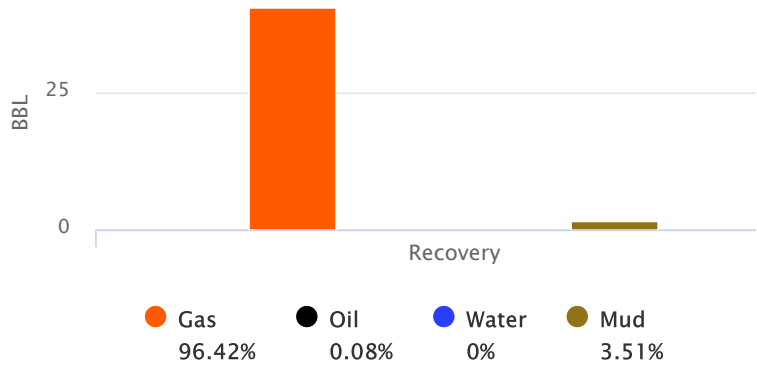
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLS					
2834	40.32782	G	100	0	0	0
111	1.57953	SLOCSLGCM	5	2	0	93

Total Recovered: 2945 ft  
Total Barrels Recovered: 41.90735

Reversed Out  
NO

Initial Hydrostatic Pressure	1378	PSI
Initial Flow	14 to 38	PSI
<b>Initial Closed in Pressure</b>	<b>532</b>	<b>PSI</b>
Final Flow Pressure	45 to 61	PSI
<b>Final Closed in Pressure</b>	<b>662</b>	<b>PSI</b>
Final Hydrostatic Pressure	1370	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	0.0	%

### Recovery at a glance



GIP cubic foot volume: 226.86396



**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
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Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 Sur  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

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**DST #1      Formation: Lans A-F      Test Interval: 2963 -      Total Depth: 3061'**  
**3061'**  
Time On: 00:49 08/13      Time Off: 09:06 08/13  
Time On Bottom: 03:41 08/13      Time Off Bottom: 06:56 08/13

**BUCKET MEASUREMENT:**

1st Open: 1/2" Blow. BOB in 5 mins  
1st Close: NOBB  
2nd Open: BOB Instantly  
2nd Close: NOBB

**REMARKS:**

Gas to Surface during the bleed out on the Final Shut in.

Tool Sample: 30% Gas 2% Oil 0% Water 68% Mud



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State: Kansas  
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Elevation: 1739 Sur  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

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Time On: 00:49 08/13      Time Off: 09:06 08/13  
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### Down Hole Makeup

<b>Heads Up:</b> 7.55999999999999 FT	<b>Packer 1:</b> 2957.83 FT
<b>Drill Pipe:</b> 2945.23 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 2962.83 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 2949.83 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3033 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 98.17	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 63.67 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 29 FT <i>4 1/2-FH</i>	



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**Lease: Ames Unit #15**

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Inc - Rig 3  
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**Operation:**  
Uploading recovery &  
pressures

**DATE**  
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**13**  
2019

**DST #1      Formation: Lans A-F      Test Interval: 2963 -      Total Depth: 3061'**  
**3061'**  
Time On: 00:49 08/13      Time Off: 09:06 08/13  
Time On Bottom: 03:41 08/13      Time Off Bottom: 06:56 08/13

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.6      **Viscosity:** 53      **Filtrate:** 8      **Chlorides:** 4000 ppm



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Elevation: 1739 Sur  
Field Name: Ames  
Pool: Infield  
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API #: 15-009-26267-00-00

**Operation:**  
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**DST #1      Formation: Lans A-F      Test Interval: 2963 - 3061'      Total Depth: 3061'**  
Time On: 00:49 08/13      Time Off: 09:06 08/13  
Time On Bottom: 03:41 08/13      Time Off Bottom: 06:56 08/13

### Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

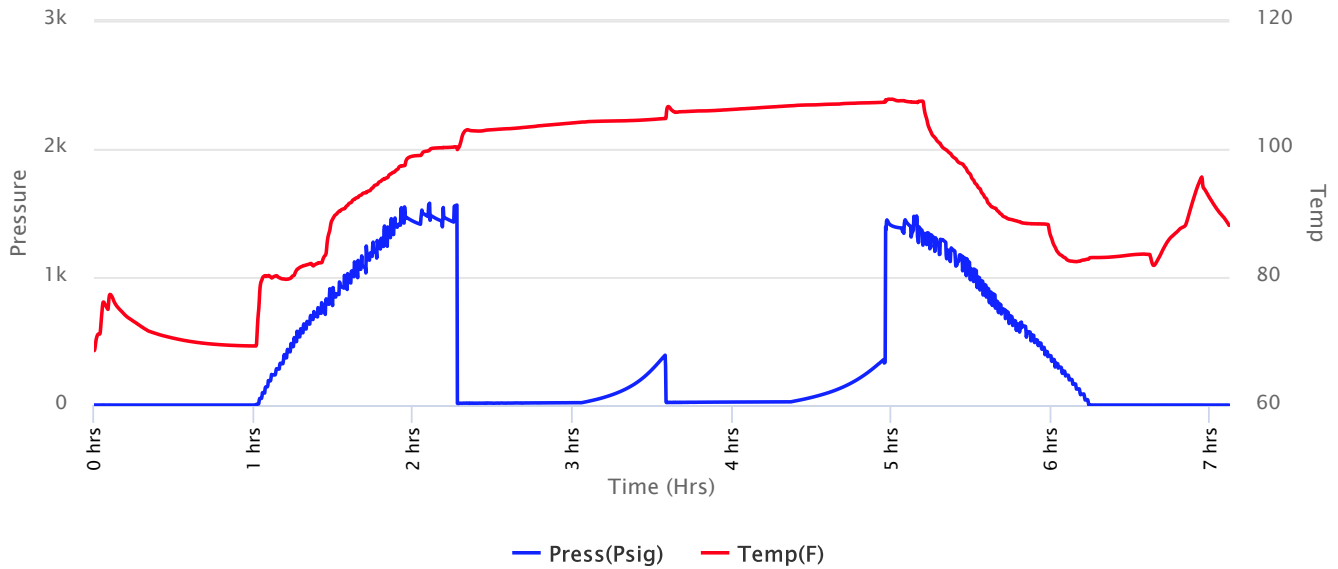
**DATE**  
August  
**15**  
2019

**DST #2**      **Formation: Lans G**      **Test Interval: 3062 - 3074'**      **Total Depth: 3074'**  
Time On: 06:02 08/15      Time Off: 12:57 08/15  
Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

Electronic Volume Estimate:  
31'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 45	Minutes: 30	Minutes: 45	Minutes: 30
Current Reading: 1.5" at 45 min	Current Reading: 0" at 30 min	Current Reading: .8" at 45 min	Current Reading: 0" at 30 min
Max Reading: 2.2"	Max Reading: 0"	Max Reading: 1.7"	Max Reading: 0"

Inside Recorder







**Company: RJM Oil Company, Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1739 GL  
 Field Name: Ames  
 Pool: Infield  
 Job Number: 381  
 API #: 15-009-26267-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 August  
**15**  
 2019

**DST #2**      **Formation: Lans G**      **Test Interval: 3062 - 3074'**      **Total Depth: 3074'**  
 Time On: 06:02 08/15      Time Off: 12:57 08/15  
 Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

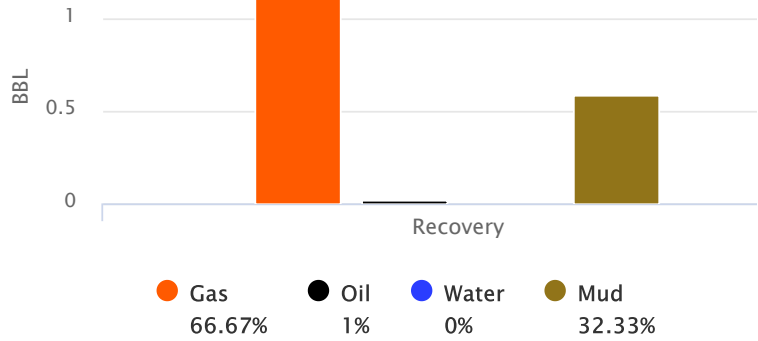
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
84	1.19532	G	100	0	0	0
42	0.59766	SLOCM	0	3	0	97

Total Recovered: 126 ft  
 Total Barrels Recovered: 1.79298

Reversed Out  
 NO

Initial Hydrostatic Pressure	1412	PSI
Initial Flow	12 to 19	PSI
<b>Initial Closed in Pressure</b>	<b>390</b>	<b>PSI</b>
Final Flow Pressure	20 to 26	PSI
<b>Final Closed in Pressure</b>	<b>356</b>	<b>PSI</b>
Final Hydrostatic Pressure	1411	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	8.9	%

**Recovery at a glance**



GIP cubic foot volume: 6.71112



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Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**15**  
2019

**DST #2      Formation: Lans G      Test Interval: 3062 -      Total Depth: 3074'**  
**3074'**  
Time On: 06:02 08/15      Time Off: 12:57 08/15  
Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

**BUCKET MEASUREMENT:**

1st Open: 1/4" Blow. Built to 2 1/4 inches in 45 mins  
1st Close: NOBB  
2nd Open: 1 3/4 Blow. Built to 1 3/4" Blow. Died to 3/4 inch Blow  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 5% Oil 5% Water 90% Mud



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**15**  
2019

**DST #2      Formation: Lans G      Test Interval: 3062 - 3074'      Total Depth: 3074'**  
Time On: 06:02 08/15      Time Off: 12:57 08/15  
Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

### Down Hole Makeup

<b>Heads Up:</b> 35.43 FT	<b>Packer 1:</b> 3057 FT
<b>Drill Pipe:</b> 3072.27 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3062 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3049 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3067 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 12	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	<b>Bottom Choke:</b> 5/8"
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	



**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**15**  
2019

**DST #2      Formation: Lans G      Test Interval: 3062 -      Total Depth: 3074'**  
**3074'**  
Time On: 06:02 08/15      Time Off: 12:57 08/15  
Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.9      **Viscosity:** 50      **Filtrate:** 9.6      **Chlorides:** 7000 ppm



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**15**  
2019

**DST #2**      **Formation: Lans G**      **Test Interval: 3062 - 3074'**      **Total Depth: 3074'**  
Time On: 06:02 08/15      Time Off: 12:57 08/15  
Time On Bottom: 08:15 08/15      Time Off Bottom: 11:00 08/15

### Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

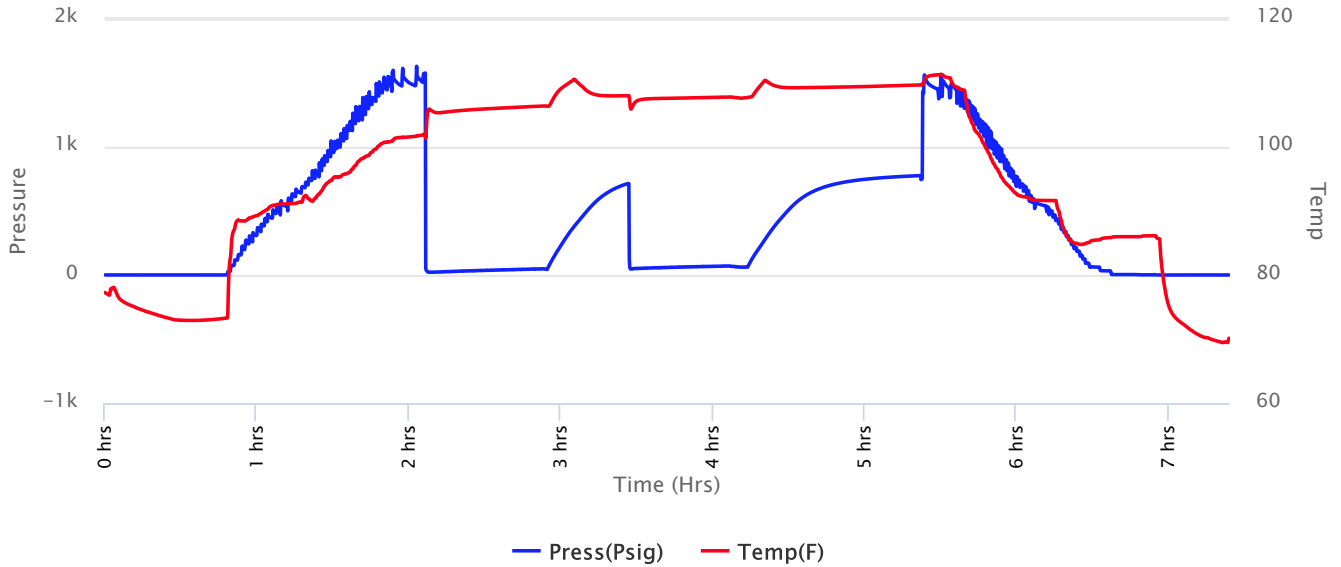
**DST #3    Formation: Lans H-K    Test Interval: 3103 - 3203'    Total Depth: 3203'**

Time On: 00:39 08/16    Time Off: 07:50 08/16  
Time On Bottom: 02:42 08/16    Time Off Bottom: 05:42 08/16

Electronic Volume Estimate:  
N/A

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 30	Minutes: 45	Minutes: 60
Current Reading: 179.1" at 45 min	Current Reading: 0" at 30 min	Current Reading: GTS" at 45 min	Current Reading: 0" at 60 min
Max Reading: 179.1"	Max Reading: 0"	Max Reading: GTS"	Max Reading: 0"

Inside Recorder





**Company: RJM Oil Company, Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1739 GL  
 Field Name: Ames  
 Pool: Infield  
 Job Number: 381  
 API #: 15-009-26267-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 August  
**16**  
 2019

**DST #3 Formation: Lans H-K Test Interval: 3103 - 3203' Total Depth: 3203'**

Time On: 00:39 08/16 Time Off: 07:50 08/16  
 Time On Bottom: 02:42 08/16 Time Off Bottom: 05:42 08/16

Recovered

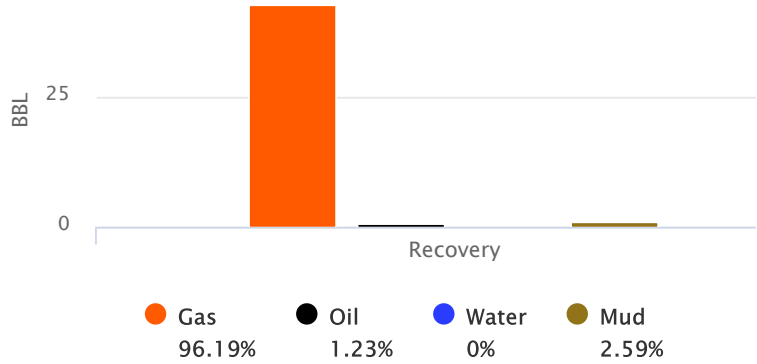
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2973	42.30579	G	100	0	0	0
5	0.07115	SLOCM	0	7	0	93
126	1.79298	SLGCHOCM	10	30	0	60

Total Recovered: 3104 ft  
 Total Barrels Recovered: 44.16992

Reversed Out  
 NO

Initial Hydrostatic Pressure	1477	PSI
Initial Flow	22 to 44	PSI
<b>Initial Closed in Pressure</b>	<b>713</b>	<b>PSI</b>
Final Flow Pressure	47 to 62	PSI
<b>Final Closed in Pressure</b>	<b>776</b>	<b>PSI</b>
Final Hydrostatic Pressure	1476	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 238.53253





**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**16**  
2019

**DST #3      Formation: Lans H-K      Test Interval: 3103 -      Total Depth: 3203'**  
**3203'**

Time On: 00:39 08/16      Time Off: 07:50 08/16  
Time On Bottom: 02:42 08/16      Time Off Bottom: 05:42 08/16

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. BOB in 1 1/2 Mins  
1st Close: NOBB  
2nd Open: BOB Instantly  
2nd Close: NOBB

**REMARKS:**

Gas Sample Caught 35 mins into Final Opening.  
Tool Sample: 0% Gas 95% Oil 0% Water 5% Mud



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

**DST #3      Formation: Lans H-K      Test Interval: 3103 - 3203'      Total Depth: 3203'**  
Time On: 00:39 08/16      Time Off: 07:50 08/16  
Time On Bottom: 02:42 08/16      Time Off Bottom: 05:42 08/16

### Down Hole Makeup

<b>Heads Up:</b> 26.36 FT	<b>Packer 1:</b> 3097.83 FT
<b>Drill Pipe:</b> 3104.03 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3102.83 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3089.83 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3173 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 100.17	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 63.67 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 31 FT <i>4 1/2-FH</i>	



**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**16**  
2019

**DST #3      Formation: Lans H-K      Test Interval: 3103 -      Total Depth: 3203'**  
**3203'**

Time On: 00:39 08/16      Time Off: 07:50 08/16  
Time On Bottom: 02:42 08/16      Time Off Bottom: 05:42 08/16

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.1      **Viscosity:** 62      **Filtrate:** 12.4      **Chlorides:** 9000 ppm



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

**DST #3**    **Formation: Lans H-K**    **Test Interval: 3103 - 3203'**    **Total Depth: 3203'**  
Time On: 00:39 08/16                      Time Off: 07:50 08/16  
Time On Bottom: 02:42 08/16    Time Off Bottom: 05:42 08/16

### Gas Volume Report

#### 1st Open

Time	Orifice	PSI	MCF/D
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#### 2nd Open

Time	Orifice	PSI	MCF/D
40	0.125	Too weak to measure	Weak
45	0.125	Too weak to measure	Weak

MCF/D



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

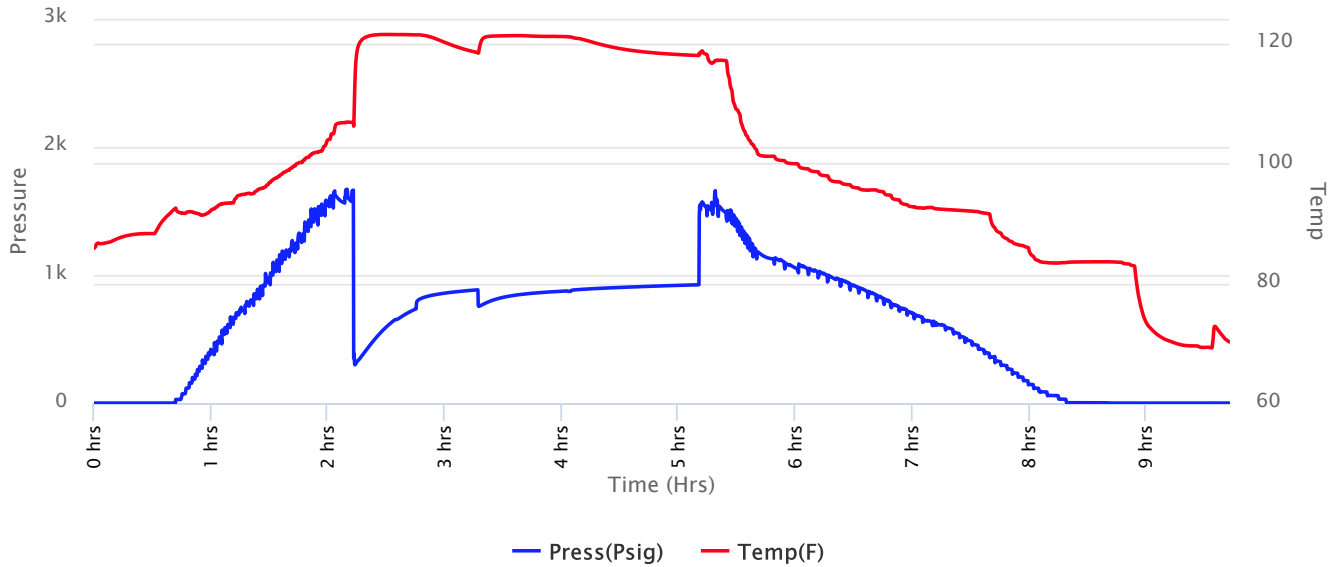
**DST #4**    **Formation: Arbuckle**    **Test Interval: 3281 - 3295'**    **Total Depth: 3295'**

Time On: 19:48 08/16    Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16    Time Off Bottom: 00:28 08/17

Electronic Volume Estimate:  
3263'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 45	Minutes: 60
Current Reading: 382" at 30 min	Current Reading: 0" at 30 min	Current Reading: 141" at 45 min	Current Reading: 0" at 60 min
Max Reading: 384"	Max Reading: 0"	Max Reading: 141"	Max Reading: 0"

Inside Recorder





# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

**DST #4**    **Formation: Arbuckle**    **Test Interval: 3281 - 3295'**    **Total Depth: 3295'**  
Time On: 19:48 08/16    Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16    Time Off Bottom: 00:28 08/17

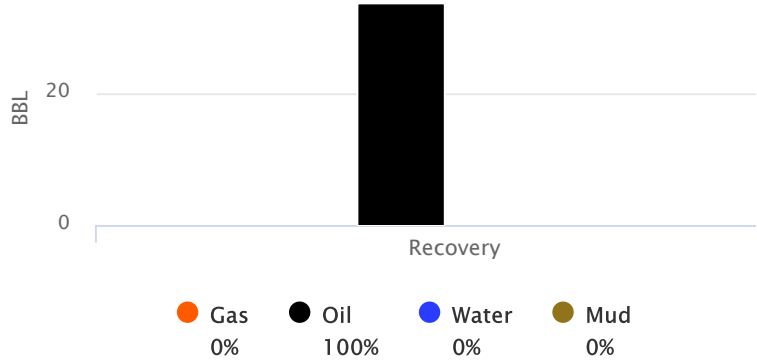
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
2361	33.59703	O	0	100	0	0

Total Recovered: 2361 ft  
Total Barrels Recovered: 33.59703

Reversed Out  
NO

Initial Hydrostatic Pressure	1563	PSI
Initial Flow	301 to 737	PSI
<b>Initial Closed in Pressure</b>	<b>885</b>	<b>PSI</b>
Final Flow Pressure	756 to 876	PSI
<b>Final Closed in Pressure</b>	<b>924</b>	<b>PSI</b>
Final Hydrostatic Pressure	1563	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	0.0	%

### Recovery at a glance



GIP cubic foot volume: 0



**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**16**  
2019

**DST #4      Formation: Arbuckle      Test Interval: 3281 -      Total Depth: 3295'**  
**3295'**

Time On: 19:48 08/16      Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16      Time Off Bottom: 00:28 08/17

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. BOB in 1 min  
1st Close: NOBB  
2nd Open: 6" Blow. BOB in 1 min  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 100% Oil 0% Water 0% Mud

Gravity: 37.2 @ 60 °F





# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

**DST #4      Formation: Arbuckle      Test Interval: 3281 - 3295'      Total Depth: 3295'**  
Time On: 19:48 08/16      Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16      Time Off Bottom: 00:28 08/17

### Down Hole Makeup

<b>Heads Up:</b> 7.2100000000001 FT	<b>Packer 1:</b> 3276 FT
<b>Drill Pipe:</b> 3263.05 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3281 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3268 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3286 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 14	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	<b>Bottom Choke:</b> 5/8"
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 10 FT <i>4 1/2-FH</i>	



**Company: RJM Oil Company,  
Inc**

**Lease: Ames Unit #15**

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
August  
**16**  
2019

**DST #4      Formation: Arbuckle      Test Interval: 3281 -      Total Depth: 3295'**  
**3295'**

Time On: 19:48 08/16      Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16      Time Off Bottom: 00:28 08/17

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.2      **Viscosity:** 60      **Filtrate:** 14.2      **Chlorides:** 10000 ppm



# Company: RJM Oil Company, Inc

## Lease: Ames Unit #15

SEC: 35 TWN: 18S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1739 GL  
Field Name: Ames  
Pool: Infield  
Job Number: 381  
API #: 15-009-26267-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
August  
**16**  
2019

**DST #4    Formation: Arbuckle    Test Interval: 3281 - 3295'    Total Depth: 3295'**  
Time On: 19:48 08/16    Time Off: 05:14 08/17  
Time On Bottom: 21:58 08/16    Time Off Bottom: 00:28 08/17

### Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	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. 1495

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-17-19	35	18	11	Barton	Ks		9:15
Lease Ames Unit				Location Claflin - S to 50rd, 2E, 3/4N, w/Ints		Well No. #15	
Contractor Southwind #3				Owner To Quality Oilwell Cementing, Inc.			
Type Job Longstring				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 7 7/8"		T.D. 3295'		Charge To RJM Company			
Csg. 5 1/2" <del>150</del> used		Depth 3280'		Street			
Tbg. Size 1 7/8"		Depth		City State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 44.95'		Shoe Joint 44.95'		Cement Amount Ordered 180 Com 10% Salt 5% Gilsontite			
Meas Line		Displace 75 BLS		500 gal mud clear 48			
<b>EQUIPMENT</b>							
Pumptrk 17	No.	Cementer	Helper		TOM		
Bulktrk 3	No.	Driver	Driver		MIKE		
Bulktrk P.M.	No.	Driver	Driver		RICK		
<b>JOB SERVICES &amp; REMARKS</b>							
Remarks:				Salt 16			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal 900#			
Centralizers 1-9				Mud CLR 48 500 gal			
Baskets 2+6				CFL-117 or CD110 CAF 38			
D/V or Port Collar pipe on bottom, break				Sand			
Circulation, pump 500 gal mud clear 48				Handling 20 5			
plug Rathole w/ 30' sx Hook to 5 1/2"				Mileage			
Casing + mix 150' sx Cement, shut				<b>FLOAT EQUIPMENT</b>			
down wash pump + lines Displaced				Guide Shoe			
plug w/ 75' BLS of H2O. Released +				Centralizer 9			
float held.				Baskets 2			
Lift pressure 700 #				AFU Inserts			
Land plug to 1500 #				Float Shoe 1			
				Latch Down 1			
				Rotating head			
				Pumptrk Charge prod string			
				Mileage 21			
Thanks							
Signature Joey Krier							
				Tax			
				Discount			
				Total Charge			



## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1343

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-10-19	35	18	11	BARTON	KANSAS		1:30 AM

Location Claffen 6S 2E 1/2N 1/4W

Lease AMES Well No. # 15 Owner \_\_\_\_\_

Contractor SOUTHWIND DRlg Rig #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 Cement Surface Charge To R J M

Hole Size 12 1/4 T.D. 432

Csg. 8 5/8 new 20# Depth 432 Street \_\_\_\_\_

Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Tool \_\_\_\_\_ Depth \_\_\_\_\_

Cement Left in Csg. 15 Shoe Joint \_\_\_\_\_ The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line \_\_\_\_\_ Displace 26 1/2 BBL Cement Amount Ordered 200sx 60/40 4%cc 2%gel

**EQUIPMENT**

Pumptrk <u>17</u> No. _____	Cementer <u>Glen G.</u>	Common <u>120</u>
	Helper <u>DAVID</u>	Poz. Mix <u>80</u>
Bulktrk <u>3</u> No. _____	Driver <u>Tony L</u>	Gel. <u>4</u>
	Driver _____	Calcium <u>9</u>
Bulktrk _____ No. _____	Driver _____	

**JOB SERVICES & REMARKS**

Remarks: \_\_\_\_\_

Rat Hole \_\_\_\_\_

Mouse Hole \_\_\_\_\_

Centralizers \_\_\_\_\_

Baskets \_\_\_\_\_

D/V or Port Collar \_\_\_\_\_

Ran 10 new joints of 20# 8 5/8

Set @ 432

Received Circulation -

Cement w/ 200sx 60/40 4%2

Displaced 26 1/2 BBL

Shot in @ 300#

Hulls \_\_\_\_\_

Salt \_\_\_\_\_

Flowseal \_\_\_\_\_

Kol-Seal \_\_\_\_\_

Mud CLR 48 \_\_\_\_\_

CFL-117 or CD110 CAF 38 \_\_\_\_\_

Sand \_\_\_\_\_

Handling 213

Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**

Guide Shoe \_\_\_\_\_

Centralizer \_\_\_\_\_

Baskets \_\_\_\_\_

AFU Inserts \_\_\_\_\_

Float Shoe \_\_\_\_\_

Latch Down \_\_\_\_\_

Cement DID  
CIRCULATE

THANK'S

Pumptrk Charge Surface

Mileage 21

X Signature Jay Kruis

Tax \_\_\_\_\_

Discount \_\_\_\_\_

Total Charge \_\_\_\_\_



**DEFINITIONS:** In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

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