

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 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](mailto: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)</i> <i>(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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**OPERATOR**

Company: RJM Company  
 Address: PO Box 256  
 Claflin, KS 67525

Contact Geologist: Jim Musgrove  
 Contact Phone Nbr: 620-786-0839  
 Well Name: Wondra Brothers 'A' #2  
 Location: 31-16s-11w E2-SE-NW-SE  
 API: 15-009-26405-00-00  
 Pool:  
 State: Kansas

Field: Kraft-Prusa  
 Country: USA



Scale 1:240 Imperial

Well Name: Wondra Brothers 'A' #2  
 Surface Location: 31-16s-11w E2-SE-NW-SE  
 Bottom Location:  
 API: 15-009-26405-00-00  
 License Number: 30458  
 Spud Date: 10/2/2023 Time: 12:00 AM  
 Region: Barton  
 Drilling Completed: 10/8/2023 Time: 12:00 AM  
 Surface Coordinates: 1650' FSL & 1550' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1885.00ft  
 K.B. Elevation: 1895.00ft  
 Logged Interval: 2600.00ft To: 3395.00ft  
 Total Depth: 3395.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**CASING SUMMARY**

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8" in	393' ft			
Int Casing					
Prod Casing	5 1/2" in	3320' ft			

**CASING SEQUENCE**

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

**OPEN HOLE LOGS**

Logging Company:  
 Logging Engineer:  
 Truck #:  
 Logging Date:  
 # Logs Run: 0

Time Spent:  
 # Logs Run Successful: 0

**LOGS RUN**

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

**LOGGING OPERATION SUMMARY**

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude:  
 Latitude:  
 N/S Co-ord: 1650' FSL  
 E/W Co-ord: 1550' FEL

**LOGGED BY**



Company: James C Musgrove Petroleum LLC  
 Address: 212 Main Street/PO Box 215  
 Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839  
 Logged By: KLG #307 Name: James C Musgrove

**CONTRACTOR**

Contractor: Southwind Drilling Inc.  
 Rig #: 1  
 Rig Type: mud rotary  
 Spud Date: 10/2/2023 Time: 12:00 AM  
 TD Date: 10/8/2023 Time: 12:00 AM  
 Rig Release: Time:

**ELEVATIONS**

K.B. Elevation: 1895.00ft Ground Elevation: 1885.00ft  
 K.B. to Ground: 10.00ft

**NOTES**

Remarks:  
 5 1/2" casing was set and cemented on the RJM Company, Wondra Brothers 'A' #2.

Respectfully yours,

James C Musgrove  
 Petroleum Geologist

**well comparison sheet**

	WONDRA BROS 'A' #2				JANSSEN 'B' #1				JANSSEN 'A' #2			
	RJM COMPANY				HARMS & KNIGHT				HARMS PETROLEUM COMPANY			
	E/2-SE-NW-SE				NW-SW-SE				S/2-NW-SE			
	31-16s-11w				31-16s-11w				31-16s-11w			
	1895 KB				1884 KB		Relationship		1886 KB		Structural Relationship	
Formation	Samples	Sub-Sea	Sample	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	727	1168										
Base Anhydrite	753	1142										
Heebner	2950	-1055			2938	-1054		-1	2945	-1059		4
Toronto	2967	-1072			2953	-1069		-3	2962	-1076		4

Douglas	2979	-1084											
Douglas Sand	2995	-1100							2990				
Brown Lime	3049	-1154			3035	-1151			3047	-1161		7	
Lansing	3069	-1174			3053	-1169			3067	-1181		7	
Base Kansas City	3300	-1405			3252	-1368			3260	-1374		-31	
Conglomerate	3313	-1418											
Arbuckle	3320	-1425			3319	-1435			3321	-1435		10	
Rotary Total Depth	3330	-1435			3327	-1443			3327	-1441		6	



**Company: RJM Oil Company, Inc**

**Lease: Wondra Brothers "A" #2**

SEC: 31 TWN: 16S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1885 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 695  
 API #: 15-009-26405

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**06**  
 2023

**DST #1**    **Formation: Lansing A-F**    **Test Interval: 3050 - 3146'**    **Total Depth: 3146'**  
 Time On: 16:48 10/06    Time Off: 22:41 10/06  
 Time On Bottom: 18:44 10/06    Time Off Bottom: 20:44 10/06

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
10	0.1423	M	0	0		100

Total Recovered: 10 ft  
 Total Barrels Recovered: 0.1423

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1513	PSI
Initial Flow	17 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>135</b>	<b>PSI</b>
Final Flow Pressure	22 to 26	PSI
<b>Final Closed in Pressure</b>	<b>39</b>	<b>PSI</b>
Final Hydrostatic Pressure	1490	PSI
Temperature	99	°F
Pressure Change Initial Close / Final Close	71.5	%

**Recovery at a glance**



GIP cubic foot volume: 0



**Company: RJM Oil Company, Inc**

**Lease: Wondra Brothers "A" #2**

SEC: 31 TWN: 16S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1885 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 695  
 API #: 15-009-26405

**Operation:**  
 Test Complete

**DATE**  
 October  
**07**  
 2023

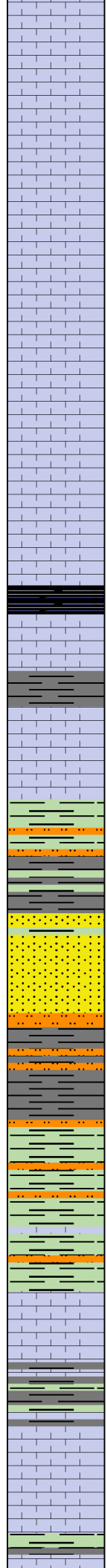
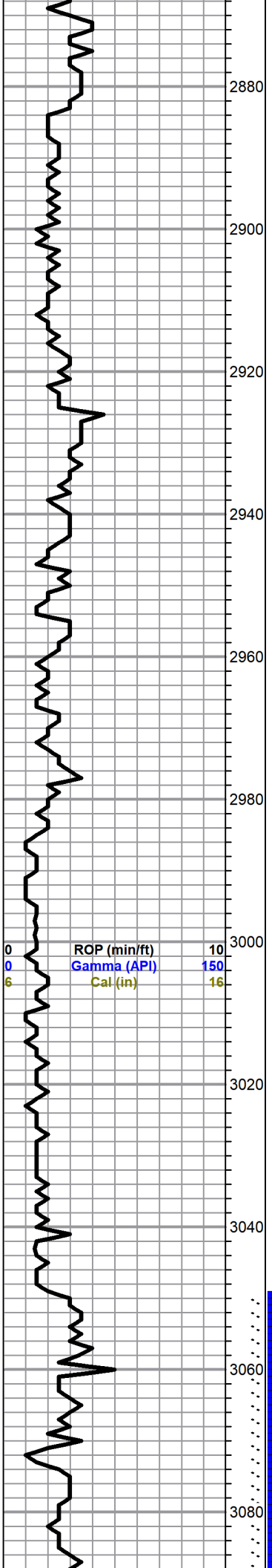
**DST #2**    **Formation: Arbuckle**    **Test Interval: 3297 - 3330'**    **Total Depth: 3330'**  
 Time On: 15:49 10/07    Time Off: 00:00 01/01  
 Time On Bottom: 17:12 10/07    Time Off Bottom: 20:27 10/07

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
120	1.7076	SLGCHOCM	5	40	0	55
720	10.2456	HGCO	30	70	0	0

Total Recovered: 840 ft

**Recovery at a glance**





Limestone,gray,white,fxln,chalky,poor visible porosity

Limestone,gray,tan,fxln,chalky,few foss.and oolitic,poorly developed porosity,no shows

as above

Limestone,tan,fxln, dense

Chert, gray,boney

**HEEBNER 2950(-1055)**

Shale,black,carbonaceous  
Limestone,gray,tan,dense

**TORONTO 2967(-1072)**

Limestone,white,gray,fxln,chalky in part,with tan,fxln,cherty,dense Limestone, spotted brown stain, no free oil and no odor

**DOUGLAS 2979(-1084)**

Shale,gray,grayish green, silty

Sand,gray,tan,vfg,micaeous,fair intergranular porosity,well sorted, fair to good brown stain and saturation,fair show of free oil and fair to good odor

Shale,gray,grayish green, silty

as above

ditto as above

**BROWN LIME 3049(-1154)**

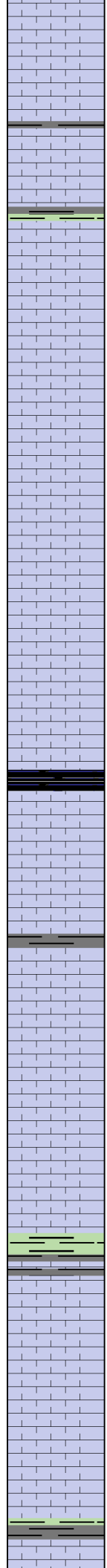
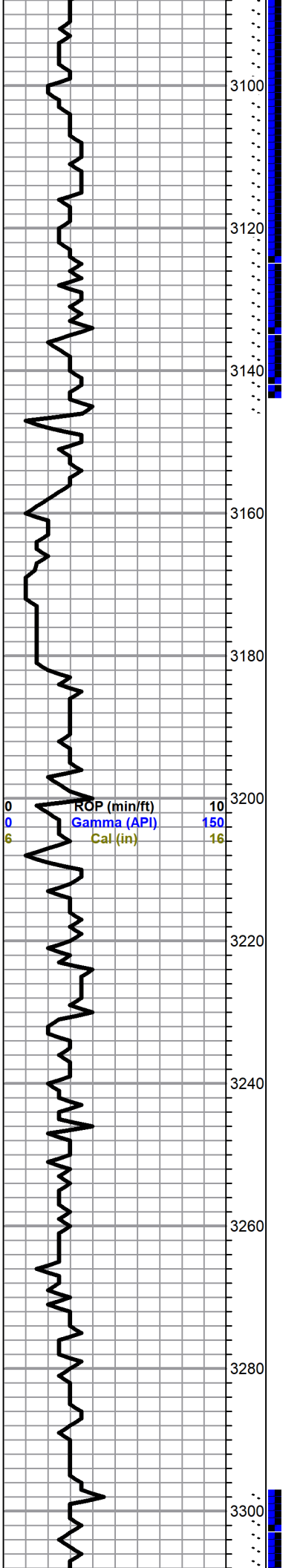
Limestone,tan,light tan, fxln,cherty in part,dense

**LANSING 3069(-1174)**

Limestone,gray,tan,fine and medium crystalline,fossiliferous,poor visible porosity, no show

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DST#1 3050-3146  
30-30-30-30  
Blow,weak  
Recovery 10' Mud  
BHP 135-39 psi  
FP 17-17,22-26 psi  
HSH 1513-1490 psi



Limestone,gray,foss,chalky,trace brown stain,trace of free oil and faint odor

Limestone,tan,gray, foss, dense

Limestone,gray,cream,oolitic,chalky,trace brown stain,trace of free oil and faint odor

Limestone,white,gray,oolitic,chalky,poor visible porosity

Limestone,white,gray,oolitic,chalky,brown to gray and black stain,show of free oil and faint odor

Limestone,white,tan,oolitic,cherty,dense

Limestone,gray,tan,oomoldic,fair oomoldic porosity with white chalk ..barren

as above

Limestone,gray,dark gray, tan,cherty,dense

Shale,black,carbonaceous

Limestone,white,tan,oomoldic,fair oomoldic porosity, no shows

Shale,gray,green

Limestone,tan,white, foss, poor porosity, trace brown stain, no free oil and no odor

Limestone,white,tan,oolitic,few sub oomoldic,,chalky

Shale,gray,dark, gray, green, soft

Limestone,cream,tan,gray,fxln,dense

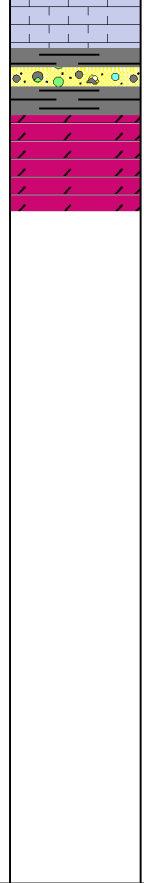
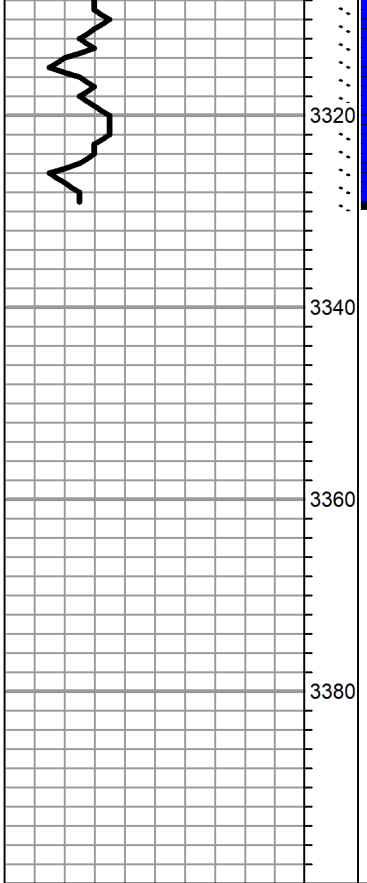
as above

**BASE KANSAS CITY 3300(-1405)**

Shale,gray,black,rusty brown

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DST#2 3297-3330  
 45-45-45-60  
 Blow,strong  
 Recovery  
 720°Clean  
 Gassy  
 Oil,120'Muddy  
 Gassy Oil(5%  
 gas,40%  
 oil,55% mud)



Limestone, buff, gray, dense

**CONGLOMERATE 3313(-1418)**

Varied colored shale ,trace gray,white Chert

**ARBUCKLE 3320(-1425)**

Dolomite,white,cream,medium crystalline,fair intercrystalline porosity, fair to good brown stain and saturation, fair show of free oil and fair odor

**ROTARY TOTAL DEPTH 3330(-1435)**

Oil, 35 % mud)

BHP 1062-1052 psi

FP42-109,120-183 psi

HSH 1665-1578 psi



# Company: RJM Oil Company, Inc

## Lease: Wondra Brothers "A" #2

SEC: 31 TWN: 16S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1885 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 695  
 API #: 15-009-26405

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 October  
**06**  
 2023

**DST #1**      **Formation: Lansing A-F**      **Test Interval: 3050 - 3146'**      **Total Depth: 3146'**  
 Time On: 16:48 10/06      Time Off: 22:41 10/06  
 Time On Bottom: 18:44 10/06      Time Off Bottom: 20:44 10/06

Electronic Volume Estimate:  
 0'

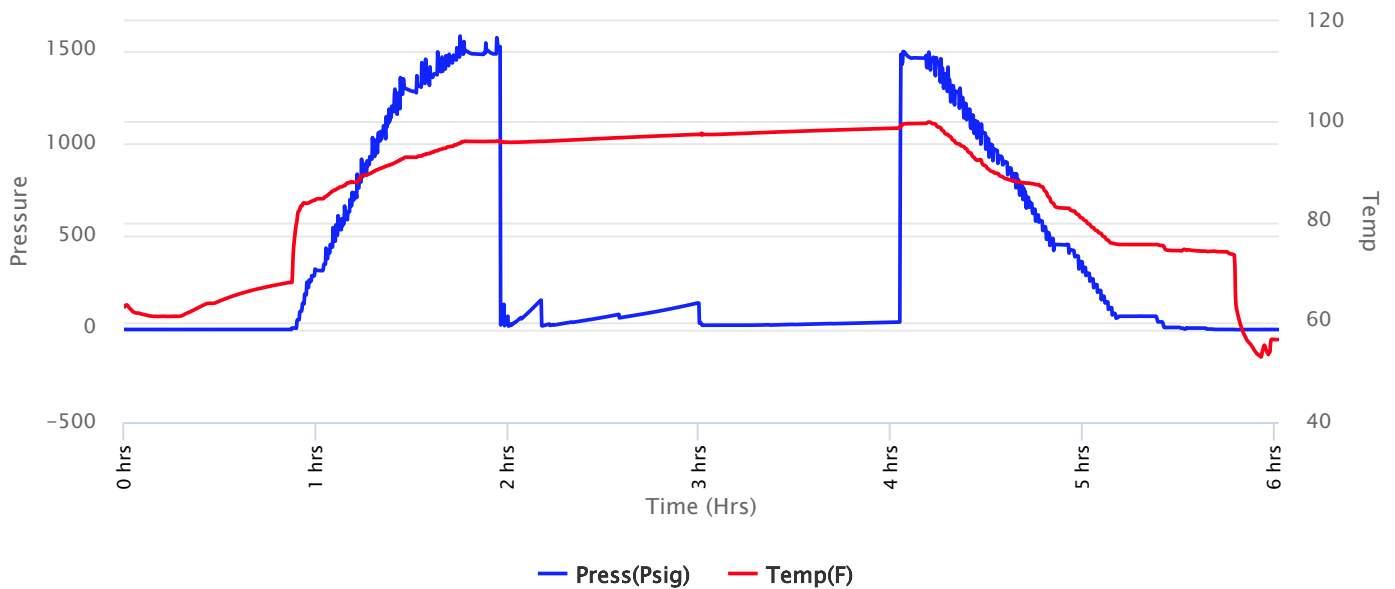
1st Open  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

1st Close  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

2nd Open  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

2nd Close  
 Minutes: 30  
 Current Reading:  
 0" at 30 min  
 Max Reading: 0"

Inside Recorder





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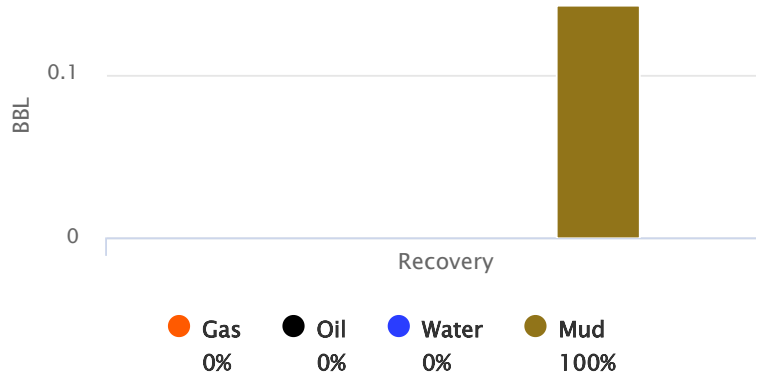
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 Time On Bottom: 18:44 10/06      Time Off Bottom: 20:44 10/06

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
10	0.1423	M	0	0		100

Total Recovered: 10 ft  
 Total Barrels Recovered: 0.1423

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1513	PSI
Initial Flow	17 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>135</b>	<b>PSI</b>
Final Flow Pressure	22 to 26	PSI
<b>Final Closed in Pressure</b>	<b>39</b>	<b>PSI</b>
Final Hydrostatic Pressure	1490	PSI
Temperature	99	°F
Pressure Change Initial Close / Final Close	71.5	%

GIP cubic foot volume: 0



**Company: RJM Oil Company,  
Inc**

**Lease: Wondra Brothers "A" #2**

SEC: 31 TWN: 16S RNG: 11W  
County: BARTON  
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Drilling Contractor: Southwind Drilling,  
Inc - Rig 1  
Elevation: 1885 GL  
Field Name: Kraft-Prusa  
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**Operation:**

Uploading recovery &  
pressures

**DATE**

October

**06**

2023

DST #1	Formation: Lansing A-F	Test Interval: 3050 - 3146'	Total Depth: 3146'
	Time On: 16:48 10/06	Time Off: 22:41 10/06	
	Time On Bottom: 18:44 10/06	Time Off Bottom: 20:44 10/06	

**BUCKET MEASUREMENT:**

1st Open: Wsb died in 9 min

1st Close: No blow back

2nd Open: Wsb died in 5 minutes

2nd Close: No blow back



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## Lease: Wondra Brothers "A" #2

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County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1885 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 695  
API #: 15-009-26405

### Operation:

Uploading recovery & pressures

### DATE

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**DST #1**      **Formation: Lansing A-F**      **Test Interval: 3050 - 3146'**      **Total Depth: 3146'**  
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### Down Hole Makeup

**Heads Up:** 24.66 FT

**Packer 1:** 3045 FT

**Drill Pipe:** 3049.5 FT  
*ID-3 1/2*

**Packer 2:** 3050 FT

**Weight Pipe:** FT  
*ID-2 7/8*

**Top Recorder:** 3037 FT

**Collars:** FT  
*ID-2 1/4*

**Bottom Recorder:** 1 FT

**Test Tool:** 26.16 FT  
*ID-3 1/2-FH*

**Well Bore Size:** 7 7/8

**Surface Choke:** 1"

**Bottom Choke:** 5/8"

**Total Anchor:** 96

#### Anchor Makeup

**Packer Sub:** 1 FT

**Perforations: (top):** 2 FT  
*4 1/2-FH*

**Change Over:** 1 FT

**Drill Pipe: (in anchor):** 63 FT  
*ID-3 1/2*

**Change Over:** 1 FT

**Perforations: (below):** 28 FT  
*4 1/2-FH*









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## Lease: Wondra Brothers "A" #2

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County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1885 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 695  
API #: 15-009-26405

Operation:  
Test Complete

**DATE**  
October  
**07**  
2023

**DST #2**    **Formation: Arbuckle**    **Test Interval: 3297 - 3330'**    **Total Depth: 3330'**  
Time On: 15:49 10/07    Time Off: 00:00 01/01  
Time On Bottom: 17:12 10/07    Time Off Bottom: 20:27 10/07

Electronic Volume Estimate:  
535'

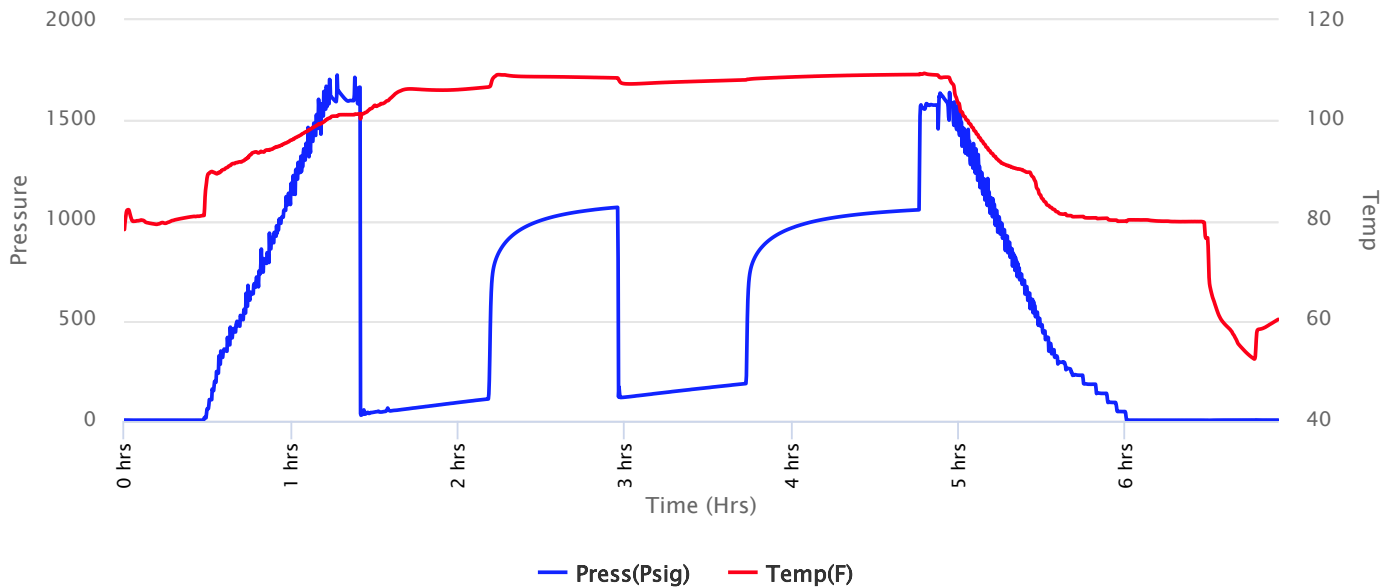
1st Open  
Minutes: 45  
Current Reading:  
39" at 45 min  
Max Reading: 39"

1st Close  
Minutes: 45  
Current Reading:  
0" at 45 min  
Max Reading: 0"

2nd Open  
Minutes: 45  
Current Reading:  
25.1" at 45 min  
Max Reading: 25.1"

2nd Close  
Minutes: 60  
Current Reading:  
0" at 60 min  
Max Reading: 0"

Inside Recorder





# Company: RJM Oil Company, Inc

## Lease: Wondra Brothers "A" #2

SEC: 31 TWN: 16S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1885 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 695  
API #: 15-009-26405

### Operation:

Test Complete

### DATE

October

**07**

2023

DST #2    Formation: Arbuckle    Test Interval: 3297 - 3330'    Total Depth: 3330'

Time On: 15:49 10/07

Time Off: 00:00 01/01

Time On Bottom: 17:12 10/07

Time Off Bottom: 20:27 10/07

### Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
120	1.7076	SLGCHOCM	5	40	0	55
720	10.2456	HGCO	30	70	0	0

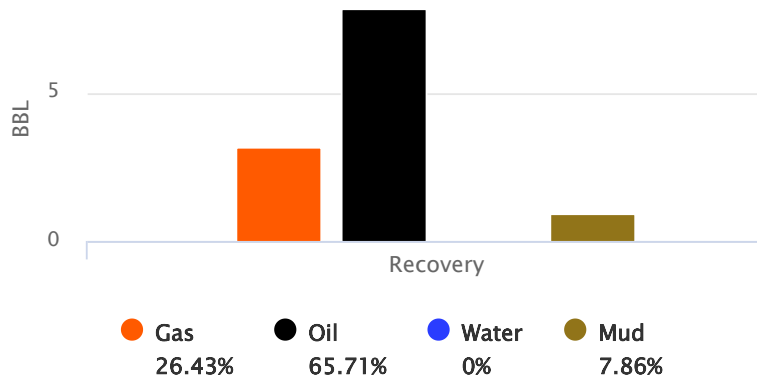
Total Recovered: 840 ft

Total Barrels Recovered: 11.9532

Reversed Out  
NO

Initial Hydrostatic Pressure	1665	PSI
Initial Flow	42 to 109	PSI
<b>Initial Closed in Pressure</b>	<b>1062</b>	<b>PSI</b>
Final Flow Pressure	120 to 183	PSI
<b>Final Closed in Pressure</b>	<b>1052</b>	<b>PSI</b>
Final Hydrostatic Pressure	1578	PSI
Temperature	110	°F
Pressure Change Initial Close / Final Close	0.9	%

### Recovery at a glance



GIP cubic foot volume: 17.73654



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**3330'**  
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**BUCKET MEASUREMENT:**

1st Open: Wsb built to bob in 11 minutes  
1st Close: No blow back  
2nd Open: Bob in 15 minutes  
2nd Close: No blow back

**REMARKS:**

Tool Sample: 5% Gas 40% Oil 0% Water 55% Mud  
Gravity: 39.8 @ 60 °F



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### Down Hole Makeup

<b>Heads Up:</b> 30.16 FT	<b>Packer 1:</b> 3292 FT
<b>Drill Pipe:</b> 3302 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3297 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3284 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3299 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> 33	<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> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 32 FT <i>4 1/2-FH</i>	



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Inc**

**Lease: Wondra Brothers "A" #2**

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State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 1  
Elevation: 1885 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 695  
API #: 15-009-26405

**Operation:**

Test Complete

**DATE**

October

**07**

2023

**DST #2      Formation: Arbuckle      Test Interval: 3297 -      Total Depth: 3330'**  
**3330'**

Time On: 15:49 10/07      Time Off: 00:00 01/01

Time On Bottom: 17:12 10/07      Time Off Bottom: 20:27 10/07

### **Mud Properties**

**Mud Type:** Chem

**Weight:** 9.3

**Viscosity:** 52

**Filtrate:** 9.2

**Chlorides:** 4500 ppm



**Company: RJM Oil Company, Inc**

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Time On Bottom: 17:12 10/07    Time Off Bottom: 20:27 10/07

### 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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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No. 8855

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10/3/23	31	16	11	Barton	Kansas		1:30 PM
				Location Hitchman 1 1/2 E Wiano			

Lease	Well No.	Owner	
Wandpa Brothers A	2	To Quality Oilwell Cementing, Inc.	
Contractor	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Southwind Drilling			
Type Job	Charge To		
Sur Face	RTM		
Hole Size	T.D.		
12 1/4	394		
Csg.	Depth	Street	
8 5/8	393.14		
Tbg. Size	Depth	City	
		State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered	
20'		180 Sbs 37.00 296 gal	
Meas Line	Displace		
	23.72		

**EQUIPMENT**

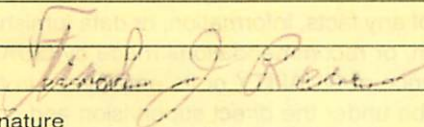
Pumptrk	No.	Cementer	Helper	Common
5		Tim		Poz. Mix
Bulktrk	No.	Driver	Driver	Gel.
20		Corey		
Bulktrk	No.	Driver	Driver	Calcium
PH		David		

**JOB SERVICES & REMARKS**

Remarks:	Hulls
	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
Run 8 5/8 and set circulation	Handling
Cemented with 180 sbs	Mileage
and displaced	

**FLOAT EQUIPMENT**

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

Signature 	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 shall 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 785-483-1071  
Cell 785-324-1041

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

No. 3796

Date	10-8-23	Sec.	31	Twp.	16	Range	11	County	BARTON	State	Ks	On Location		Finish	7:30 AM
------	---------	------	----	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location *Hitchman 1E 1/2 S*

Lease	<i>WONDRA BROTHERS</i>	Well No.	<i>A-2</i>	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	<i>Southwind</i>				
Type Job	<i>Long SKING</i>				
Hole Size	<i>7 7/8</i>	T.D.	<i>3330</i>	Charge To	<i>RJM Co.</i>
Csg.	<i>5 1/2</i>	Depth		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.	<i>10.44</i>	Shoe Joint	<i>10.44</i>	Cement Amount Ordered	<i>1800 10% Salt + 5% Gil</i>
Meas Line		Displace	<i>78.8</i>	<i>500 gal Flush</i>	

**EQUIPMENT**

Pumptrk	<i>18</i>	No.	Cementer	<i>Bill</i>
			Helper	
Bulktrk		No.	Driver	<i>JORDAN</i>
			Driver	
Bulktrk	<i>20</i>	No.	Driver	
			Driver	<i>CORY</i>

Common	<i>180</i>
Poz. Mix	
Gel.	
Calcium	

**JOB SERVICES & REMARKS**

Remarks:	
Rat Hole	<i>3000</i>
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
Pipe set	<i>3323</i>
Shoe Jt	<i>10.44</i>
Insert	<i>3312.56</i>

Hulls	
Salt	<i>14</i>
Flowseal	
Kol-Seal	<i>750 #</i>
Mud CLR 48	<i>500 gal</i>
CFL-117 or CD110 CAE 88	
Sand	
Handling	<i>201</i>
Mileage	

**FLOAT EQUIPMENT**

pump	<i>500 gal Flush - cement w/ 1500</i>
pump plug w/ 78.8 # bbls	
Land plug e 1500	
Float did hold	
Did not land plug	

Guide Shoe	
Centralizer	<i>-9</i>
Baskets	<i>-2</i>
AFU Inserts	
Float Shoe	<i>-1</i>
Latch Down	<i>-1</i>

Pumptrk Charge	<i>prod string</i>
Mileage	<i>23</i>

X  
Signature

Tax	
Discount	
Total Charge	

*Thanks*

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(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.

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