

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)</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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Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
08
2019

DST #1 Formation: Lans A-F Test Interval: 3055 - 3140' Total Depth: 3140'

Time On: 23:40 11/08 Time Off: 06:31 11/09
Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

Electronic Volume Estimate:
1230'

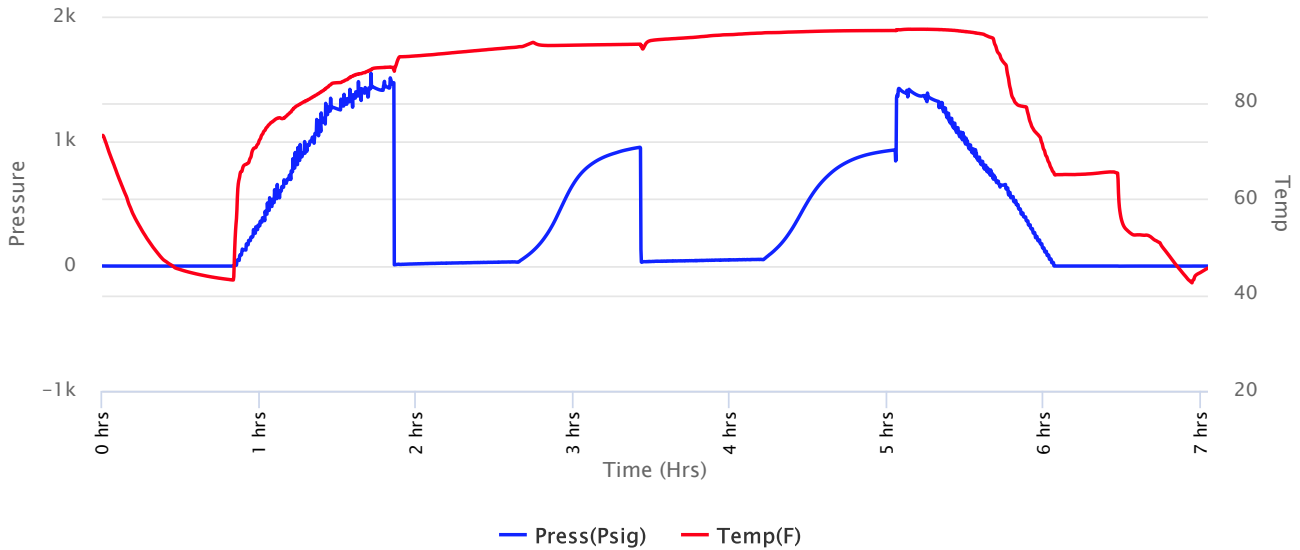
1st Open
Minutes: 45
Current Reading:
73" at 45 min
Max Reading: 73"

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

2nd Open
Minutes: 45
Current Reading:
100.3" at 45 min
Max Reading: 100.3"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1849 GL
 Field Name: Unknown
 Pool: Infield
 Job Number: 415
 API #: 15-009-26281-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
08
 2019

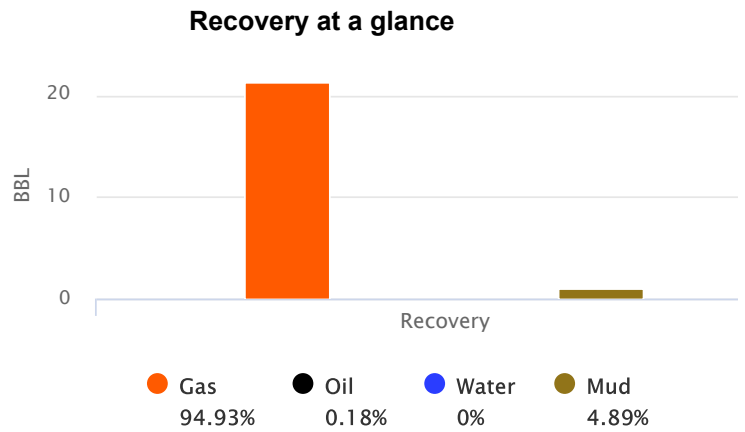
DST #1 Formation: Lans A-F Test Interval: 3055 - 3140' Total Depth: 3140'
 Time On: 23:40 11/08 Time Off: 06:31 11/09
 Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
1481	21.07463	O	100	0	0	0
94	1.33762	SLOCSLGCM	15	3	0	82

Total Recovered: 1575 ft
 Total Barrels Recovered: 22.41225

Reversed Out
 NO

Initial Hydrostatic Pressure	1409	PSI
Initial Flow	10 to 32	PSI
Initial Closed in Pressure	952	PSI
Final Flow Pressure	30 to 52	PSI
Final Closed in Pressure	931	PSI
Final Hydrostatic Pressure	1408	PSI
Temperature	95	°F
Pressure Change Initial Close / Final Close	2.2	%



GIP cubic foot volume: 119.45002



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
08
2019

DST #1 Formation: Lans A-F Test Interval: 3055 - 3140' Total Depth: 3140'
Time On: 23:40 11/08 Time Off: 06:31 11/09
Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

BUCKET MEASUREMENT:

1st Open: 1/2" Blow. BOB in 6 mins
1st Close: NOBB
2nd Open: BOB Instantly.
2nd Close: NOBB

REMARKS:

Tool Sample: 15% Gas 5% Oil 0% Water 80% Mud



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
08
2019

DST #1 Formation: Lans A-F Test Interval: 3055 - 3140' Total Depth: 3140'
Time On: 23:40 11/08 Time Off: 06:31 11/09
Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

Down Hole Makeup

Heads Up: 7.0000000000001 FT	Packer 1: 3049.97 FT
Drill Pipe: 3036.81 FT <i>ID-3 1/2</i>	Packer 2: 3054.97 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3041.97 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3125 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 85.03	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 63.53 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 16 FT <i>4 1/2-FH</i>	



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
08
2019

DST #1 Formation: Lans A-F Test Interval: 3055 - 3140' Total Depth: 3140'
Time On: 23:40 11/08 Time Off: 06:31 11/09
Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

Mud Properties

Mud Type: Chdm **Weight:** 8.6 **Viscosity:** 64 **Filtrate:** 6.4 **Chlorides:** 2800 ppm



Company: RJM Oil Company, Inc

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3

Operation:
Uploading recovery &
pressures

Lease: Elvita #1

Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

DATE
November
08
2019

DST #1 Formation: Lans A-F Test Interval: 3055 - Total Depth: 3140'
3140'
Time On: 23:40 11/08 Time Off: 06:31 11/09
Time On Bottom: 01:29 11/09 Time Off Bottom: 04:29 11/09

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

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

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1849 GL
 Field Name: Unknown
 Pool: Infield
 Job Number: 415
 API #: 15-009-26281-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
09
 2019

DST #2 Formation: Lans G Test Interval: 3134 - 3154' Total Depth: 3154'
 Time On: 12:35 11/09 Time Off: 18:36 11/09
 Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

Electronic Volume Estimate:
 45'

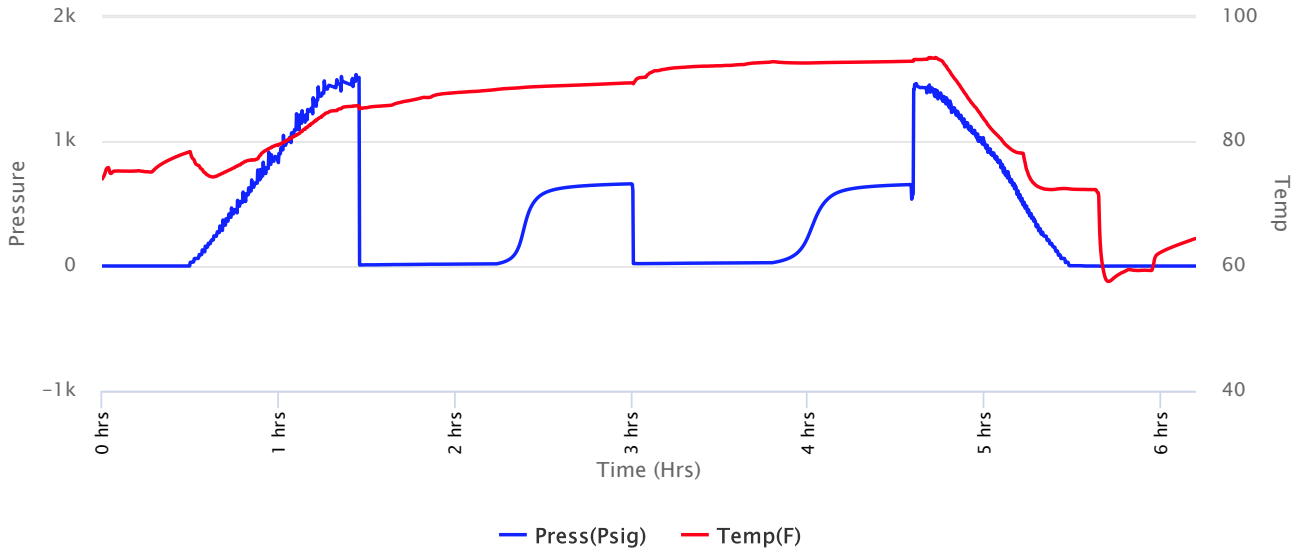
1st Open
 Minutes: 45
 Current Reading:
 3.8" at 45 min
 Max Reading: 3.8"

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

2nd Open
 Minutes: 45
 Current Reading:
 1.6" at 45 min
 Max Reading: 1.6"

2nd Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1849 GL
 Field Name: Unknown
 Pool: Infield
 Job Number: 415
 API #: 15-009-26281-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
09
 2019

DST #2 **Formation: Lans G** **Test Interval: 3134 - 3154'** **Total Depth: 3154'**
 Time On: 12:35 11/09 Time Off: 18:36 11/09
 Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

Recovered

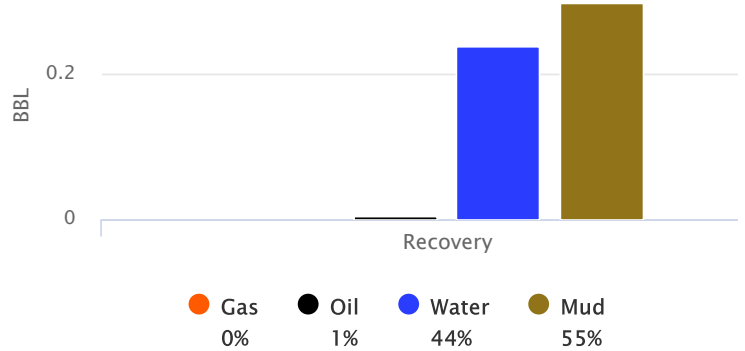
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
38	0.54074	SLOCHWCM	0	1	44	55

Total Recovered: 38 ft
 Total Barrels Recovered: 0.54074

Reversed Out
 NO

Initial Hydrostatic Pressure	1454	PSI
Initial Flow	8 to 19	PSI
Initial Closed in Pressure	659	PSI
Final Flow Pressure	20 to 27	PSI
Final Closed in Pressure	653	PSI
Final Hydrostatic Pressure	1451	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	0.8	%

Recovery at a glance



GIP cubic foot volume: 0



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
09
2019

DST #2 Formation: Lans G Test Interval: 3134 - 3154' Total Depth: 3154'
Time On: 12:35 11/09 Time Off: 18:36 11/09
Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/4" Blow. Built to 3 3/4 inch in 45 mins

1st Close: Weak Blow Back

2nd Open: 1/4" Blow. Built to 1 1/2 inches in 45 mins

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 5% Oil 40% Water 55% Mud

Ph: 7

Measured RW: .4 @ 70 degrees °F

RW at Formation Temp: 0.308 @ 93 °F

Chlorides: 18000 ppm



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
09
2019

DST #2 Formation: Lans G Test Interval: 3134 - 3154' Total Depth: 3154'
Time On: 12:35 11/09 Time Off: 18:36 11/09
Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

Down Hole Makeup

Heads Up: 23.26 FT	Packer 1: 3129 FT
Drill Pipe: 3132.1 FT <i>ID-3 1/2</i>	Packer 2: 3134 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3121 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3139 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 20	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): 16 FT <i>4 1/2-FH</i>	



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
09
2019

DST #2 Formation: Lans G Test Interval: 3134 - 3154' Total Depth: 3154'
Time On: 12:35 11/09 Time Off: 18:36 11/09
Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

Mud Properties

Mud Type: Chem **Weight:** 8.9 **Viscosity:** 56 **Filtrate:** 7.2 **Chlorides:** 5000 ppm



Company: RJM Oil Company, Inc

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3

Operation:
Uploading recovery &
pressures

Lease: Elvita #1

Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

DATE
November
09
2019

DST #2 **Formation: Lans G** **Test Interval: 3134 - 3154'** **Total Depth: 3154'**
Time On: 12:35 11/09 Time Off: 18:36 11/09
Time On Bottom: 14:00 11/09 Time Off Bottom: 17:00 11/09

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

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



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1849 GL
 Field Name: Unknown
 Pool: Infield
 Job Number: 415
 API #: 15-009-26281-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
10
 2019

DST #3 **Formation: Land H-K** **Test Interval: 3185 - 3330'** **Total Depth: 3330'**
 Time On: 08:02 11/10 Time Off: 14:43 11/10
 Time On Bottom: 09:33 11/10 Time Off Bottom: 12:33 11/10

Electronic Volume Estimate:
 1068'

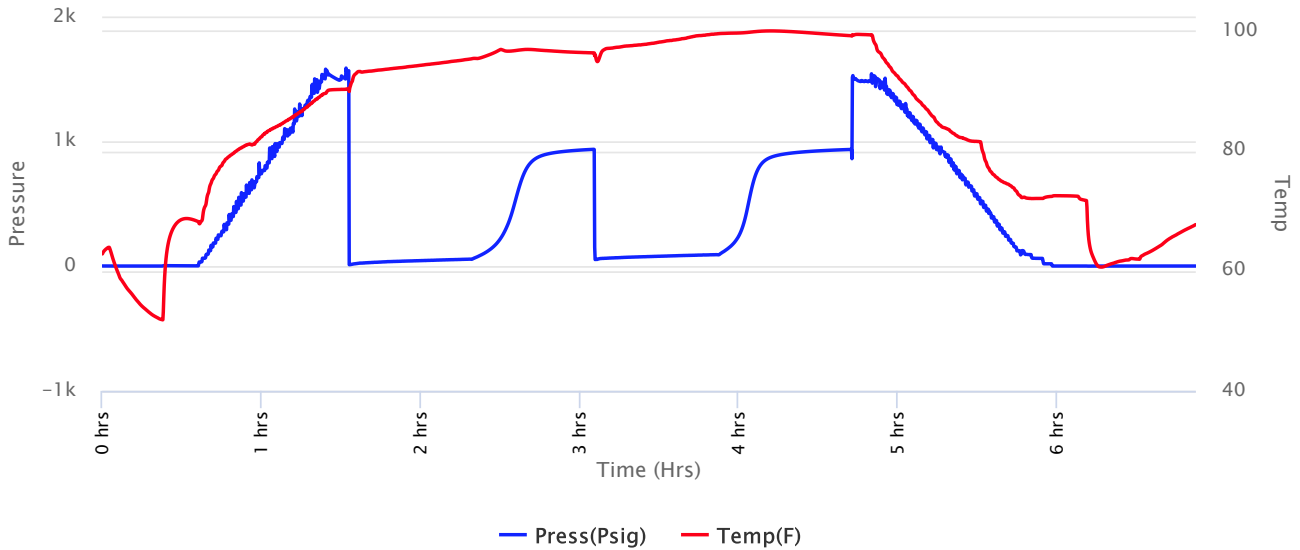
1st Open
 Minutes: 45
 Current Reading:
 78.6" at 45 min
 Max Reading: 78.6"

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

2nd Open
 Minutes: 45
 Current Reading:
 62.7" at 45 min
 Max Reading: 62.7"

2nd Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1849 GL
 Field Name: Unknown
 Pool: Infield
 Job Number: 415
 API #: 15-009-26281-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
10
 2019

DST #3 **Formation: Land H-K** **Test Interval: 3185 - 3330'** **Total Depth: 3330'**
 Time On: 08:02 11/10 Time Off: 14:43 11/10
 Time On Bottom: 09:33 11/10 Time Off Bottom: 12:33 11/10

Recovered

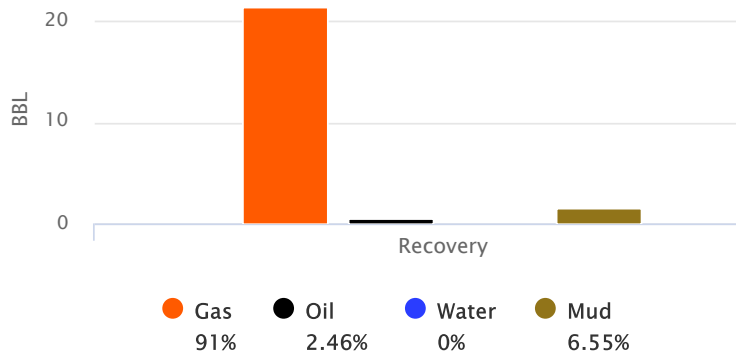
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1449	20.61927	G	100	0	0	0
15	0.21345	SLOCSLGCM	15	2	0	83
126	1.79298	OCGCM	27	22	0	51
63	0.89649	OCHGCM	30	20	0	50

Total Recovered: 1653 ft
 Total Barrels Recovered: 23.52219

Reversed Out
 NO

Initial Hydrostatic Pressure	1490	PSI
Initial Flow	11 to 55	PSI
Initial Closed in Pressure	935	PSI
Final Flow Pressure	52 to 90	PSI
Final Closed in Pressure	935	PSI
Final Hydrostatic Pressure	1489	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 120.17466



**Company: RJM Oil Company,
Inc**

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:

Uploading recovery &
pressures

DATE

November
10
2019

DST #3	Formation: Land H- K	Test Interval: 3185 - 3330'	Total Depth: 3330'
	Time On: 08:02 11/10	Time Off: 14:43 11/10	
	Time On Bottom: 09:33 11/10	Time Off Bottom: 12:33 11/10	

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/4" Blow. BOB in 7 1/2 mins

1st Close: NOBB

2nd Open: 7" Blow. BOB in 45 seconds

2nd Close: NOBB

REMARKS:

Tool Sample: 5% Gas 95% Oil 0% Water 0% Mud



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
10
2019

DST #3 **Formation: Land H-K** **Test Interval: 3185 - 3330'** **Total Depth: 3330'**
Time On: 08:02 11/10 Time Off: 14:43 11/10
Time On Bottom: 09:33 11/10 Time Off Bottom: 12:33 11/10

Down Hole Makeup

Heads Up: 3.63999999999998 FT	Packer 1: 3180 FT
Drill Pipe: 3163.48 FT <i>ID-3 1/2</i>	Packer 2: 3185 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3172 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3319 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 145	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 127 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 12 FT <i>4 1/2-FH</i>	



Company: RJM Oil Company, Inc

Lease: Elvita #1

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

Operation:
Uploading recovery & pressures

DATE
November
10
2019

DST #3 Formation: Land H-K Test Interval: 3185 - 3330' Total Depth: 3330'
Time On: 08:02 11/10 Time Off: 14:43 11/10
Time On Bottom: 09:33 11/10 Time Off Bottom: 12:33 11/10

Mud Properties

Mud Type: Chem **Weight:** 8.8 **Viscosity:** 56 **Filtrate:** 7.2 **Chlorides:** 5000 ppm



Company: RJM Oil Company, Inc

SEC: 19 TWN: 17S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3

Operation:
Uploading recovery &
pressures

Lease: Elvita #1

Elevation: 1849 GL
Field Name: Unknown
Pool: Infield
Job Number: 415
API #: 15-009-26281-00-00

DATE
November
10
2019

DST #3 **Formation: Land H-K** **Test Interval: 3185 - 3330'** **Total Depth: 3330'**
Time On: 08:02 11/10 Time Off: 14:43 11/10
Time On Bottom: 09:33 11/10 Time Off Bottom: 12:33 11/10

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

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. 1741

Date	11-11-19	Sec.	19	Twp.	17	Range	11	County	Barton	State	Ks	On Location		Finish	1:00 PM
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Location **Odin - 15, 1 1/4 E, N H into**

Lease	Elvita	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Southwind		#3		

Type Job	Longstring			Charge To	RJM Company
Hole Size	7 7/8"	T.D.	3430'		
Csg.	5 1/2" New 17#	Depth	3427'	Street	

Tbg. Size		Depth		City	State
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
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Cement Left in Csg.	43.32'	Shoe Joint	43.32'	Cement Amount Ordered	180 Corn 10% Salt 5%
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Meas Line		Displace	78 1/2 BLS	Gilsonite - 500 gal Mud Clear 48	
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EQUIPMENT					
Pumptrk	16	No.		Common	180
		Cement	Tim	Poz. Mix	
		Helper		Gel.	
Bulktrk	14	No.		Calcium	
		Driver	Lance		
		Driver			
Bulktrk	p.u.	No.			
		Driver	Rick		
		Driver			

JOB SERVICES & REMARKS

Remarks:		Salt	16
Rat Hole		Flowseal	
Mouse Hole		Kol-Seal	900#
Centralizers	1-9	Mud CLR 48	500 gal
Baskets	3+6	CFL-117 or CD110 CAF48	
D/V or Port Collar	pipe on bottom break	Sand	
Circulation pump	500 gal mud Clear	Handling	205
48" plug Rathole w/ 305x	Hook to	Mileage	
5 1/2" casing + mix 1505x	Cement		
Shutdown wash pump + lines			
Displaced plug w/ 178 1/2 BLS.			
Released + held.			
Lift pressure	750 #		
Land plug to	1600 #		

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	9
Baskets	2
AFU Inserts	
Float Shoe	1
Latch Down	1
Rotating head	

Pumptrk Charge	prod string
Mileage	25

	Tax
	Discount
	Total Charge

X Signature **Joy Shrew**

Thanks

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 construed 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. 1737

11:00 PM
Finish
~~10:45 PM~~

Date	11-5-19	Sec.	19	Twp.	17	Range	11	County	Barton	State	KS	On Location	
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Lease **Elvita** Location **OD in - 15, 1 1/4 E, N 1/4 into**

Well No. **1** Owner **To Quality Oilwell Cementing, Inc.**

Contractor **Southwind #3** 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 **RSM Company**

Hole Size **12 1/4"** T.D. **347'**

Csg. **8 5/8"** Depth **347'** Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **15'** Shoe Joint **15'** Cement Amount Ordered **180 60/40 4% cc 2% gel**

Meas Line Displace **21 BLS**

EQUIPMENT

Pumptrk	16	No.	Cement Helper	Tim	Common	110
Bulktrk	14	No.	Driver	Doug	Poz. Mix	70
Bulktrk	P.U.	No.	Driver	Rick	Gel.	3
			Driver		Calcium	8

JOB SERVICES & REMARKS

Remarks: **Cement did Circulate**

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Handling **191**

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge **Surface**

Mileage **25**

Signature **Joy Krue**

Tax

Discount

Total Charge

Thanks

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