KOLAR Document ID: 1638651

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 #	API No.:				
Name:	Spot Description:				
Address 1:	SecTwpS. R				
Address 2:	Feet from North / South Line of Section				
City: State: Zip: +	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth:				
☐ Gas ☐ DH ☐ EOR					
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet				
CM (Coal Bed Methane)					
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan				
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)				
Described	Chloride content: ppm Fluid volume: bbls				
☐ Commingled Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
EOR Permit #:	Location of fluid disposal if flauled offsite.				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R				
Recompletion Date Recompletion Date	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 Approved by: Date:						

KOLAR Document ID: 1638651

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast 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 files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
	Cores Taken Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.		n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	RJM Company
Well Name	REIF 3
Doc ID	1638651

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	20	353	Common	60/40 4% cc 2% gel
Production	7.875	5.5	15.5	3342	Common	5% gilsonite 10% salt



Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

Uploading recovery & pressures

DATE March

21 2022

DST #1 Formation: Lans A/F Test Interval: 3070 - Total Depth: 3157'

3157'

Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

Electronic Volume Estimate:

1137'

1st Open Minutes: 30 Current Reading: 73.7" at 30 min

Max Reading: 73.7"

1st Close Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open Minutes: 45

Current Reading:

76.5" at 45 min

Max Reading: 76.5"

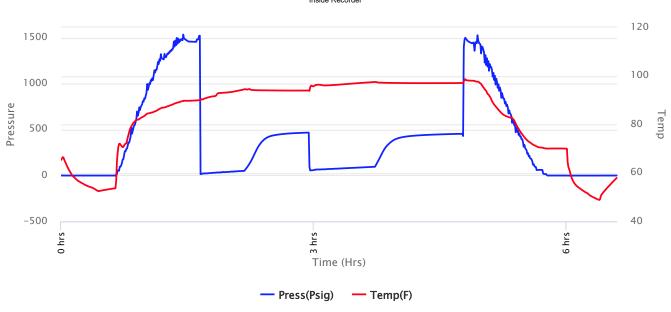
2nd Close Minutes: 60

Current Reading:

7.8" at 60 min

Max Reading: 7.8"

Inside Recorder





Company: RJM Oil Company,

Inc

Lease: Reif #3

Drilling Contractor: Southwind Drilling,

SEC: 1 TWN: 17S RNG: 12W

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

County: BARTON State: Kansas

Operation:

Uploading recovery & pressures

March

21

2022

DATE

DST #1 Formation: Lans A/F Test Interval: 3070 -

Total Depth: 3157'

3157'

Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
640	9.1072	G	100	0	0	0
53	0.75419	SLOCM	0	2	0	98
126	1.79298	SLGCHWCM	15	0	35	50

Total Recovered: 819 ft

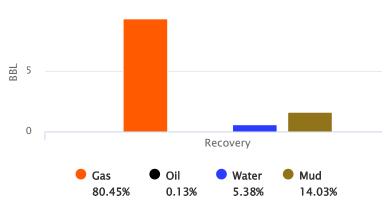
Total Barrels Recovered: 11.65437

Reversed Out
NO

Initial Hydrostatic Pressure	1458	PSI
Initial Flow	15 to 50	PSI
Initial Closed in Pressure	469	PSI
Final Flow Pressure	56 to 97	PSI
Final Closed in Pressure	455	PSI
Final Hydrostatic Pressure	1455	PSI
Temperature	98	°F
Pressure Change Initial	2.8	%

Close / Final Close

Recovery at a glance



GIP cubic foot volume: 52.64238



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Total Depth: 3157'

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE

March

21 2022

DST #1 Formation: Lans A/F Test Interval: 3070 -

3157'

Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

BUCKET MEASUREMENT:

1st Open: 1/2" Blow. BOB in 5 minutes

1st Close: NOBB

2nd Open: 3" Blow. BOB in 3 minutes 2nd Close: 7 3/4 inch Blow Back

REMARKS:

Dropped the water sample.

Tool Sample: 10% Gas 5% Oil 5% Water 80% Mud



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

DST #1

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March

21 2022

Formation: Lans A/F Test Interval: 3070 - Total Depth: 3157'

3157'

Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

Down Hole Makeup

Heads Up: 31.36 FT **Packer 1:** 3065.05 FT

Drill Pipe: 3076.25 FT **Packer 2:** 3070.05 FT

ID-3 1/2

Collars:

Top Recorder: 3057.05 FT

Weight Pipe: FT

ID-2 7/8

Bottom Recorder: 3138 FT

Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 86.95

Anchor Makeup

FT

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 63.45 FT

ID-3 1/2

Change Over: .5 FT

Perforations: (below): 20 FT

4 1/2-FH



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

DST #1

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March

21 2022

Formation: Lans A/F Test I

Test Interval: 3070 -

Total Depth: 3157'

3157'

Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

Mud Properties

Mud Type: Chem Weight: 8.7 Viscosity: 70 Filtrate: 7.6 Chlorides: 2500 ppm



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March 21

2022

DST #1 Formation: Lans A/F

Test Interval: 3070 -

Total Depth: 3157'

3157'

Time On: 15:23 03/21 Time O

Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

Gas Volume Report

1st Open 2nd Open

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



Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

Operation:

Uploading recovery & pressures

DATE March

22 2022

DST #2 Formation: Arbuckle Test Interval: 3224 - Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

Electronic Volume Estimate:

526'

1st Open Minutes: 30 Current Reading:

32.9" at 30 min

Max Reading: 32.9"

1st Close Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open Minutes: 45

Current Reading:

31.7" at 45 min

Max Reading: 31.7"

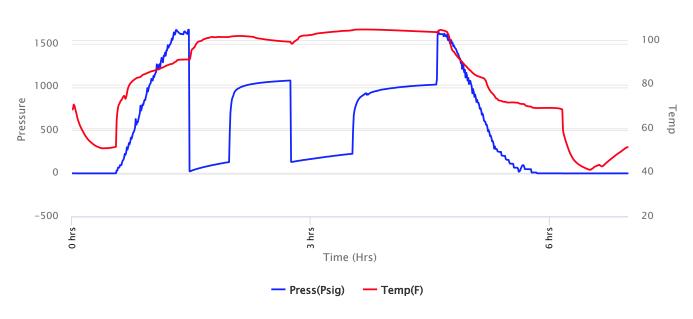
2nd Close Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

Inside Recorder





Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March 22

2022

DST #2 Formation: Arbuckle Test Interval: 3224 - Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
84	1.19532	0	0	100	0	0
262	3.72826	SLGCMCO	10	70	0	20
126	1.79298	SLGCSLWCSLMCO	5	75	10	10
63	0.89649	SLMCSLOCW	0	10	70	20

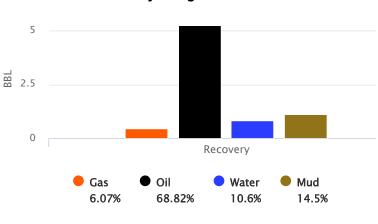
Total Recovered: 535 ft

Total Barrels Recovered: 7.61305

Reversed Out
NO

Initial Hydrostatic Pressure	1617	PSI
Initial Flow	24 to 130	PSI
Initial Closed in Pressure	1078	PSI
Final Flow Pressure	134 to 227	PSI
Final Closed in Pressure	1031	PSI
Final Hydrostatic Pressure	1617	PSI
Temperature	106	°F
Pressure Change Initial	4.4	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 2.59657



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE

March 22

22 2022

DST #2 Formation: Arbuckle Test Interval: 3224 - Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

BUCKET MEASUREMENT:

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

1st Close: NOBB

2nd Open: 1/4" Blow. BOB in 15 minutes

2nd Close: NOBB

REMARKS:

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

Gravity: 32.5 @ 60 °F

Ph: 7

Measured RW: 1.1 @ 59 degrees °F

RW at Formation Temp: 0.642 @ 106 °F

Chlorides: 15000 ppm



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

DST #2

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE

March

22 2022 Formation: Arbuckle

Test Interval: 3224 -

Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

Down Hole Makeup

Heads Up: Packer 1: 3219 FT 31.31 FT

Drill Pipe: 3230.15 FT Packer 2: 3224 FT

ID-3 1/2

Top Recorder: 3211 FT

Weight Pipe: FT **Bottom Recorder:** 3226 FT

ID-2 7/8 Well Bore Size: 7 7/8

Collars: FT

1" **Surface Choke:** ID-2 1/4

Test Tool: Bottom Choke: 5/8" 26.16 FT

ID-3 1/2-FH

Total Anchor: 38

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 37 FT

4 1/2-FH



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March

22 2022

DST #2 Formation: Arbuckle Test Interval: 3224 - Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

Mud Properties

Mud Type: Chem Weight: 8.9 Viscosity: 56 Filtrate: 8.4 Chlorides: 3500 ppm



Uploading recovery &

pressures

Company: RJM Oil Company,

Inc

Lease: Reif #3

SEC: 1 TWN: 17S RNG: 12W

County: BARTON State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1884 GL Field Name: Odin East

Pool: Infield Job Number: 559 API #: 15-009-26334

DATE March 22

2022

DST #2 Formation: Arbuckle Test Interval: 3224 - Total Depth: 3362'

3362'

Time On: 16:52 03/22 Time Off: 23:40 03/22

Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

Gas Volume Report

1st Open 2nd Open

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

OPERATOR

Company: RJM Company Address: PO Box 256

Claflin, KS 67525

Contact Geologist: Jim Musgrove Contact Phone Nbr: 620-786-0839

Well Name: Reif #3

Location: 1-17s-12w NW-NW-SW API: 15-009-26334-00-00

Pool: Field: Odin East State: Kansas Country: USA



Scale 1:240 Imperial

Well Name: Reif #3

Surface Location: 1-17s-12w NW-NW-SW

Bottom Location:

API: 15-009-26334-00-00

License Number: 30458

Spud Date: 3/17/2022 Time: 12:00 AM

Region: Barton

Drilling Completed: 3/23/2022 Time: 12:00 AM

Surface Coordinates: 2310' FSL & 330' FWL

Bottom Hole Coordinates:

Ground Elevation: 1884.00ft

K.B. Elevation: 1894.00ft

Logged Interval: 2900.00ft To: 3363.00ft

Total Depth: 3362.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude:

Latitude:

N/S Co-ord: 2310' FSL E/W Co-ord: 330' FWL

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 Company

Rig #: 1

Rig Type: mud rotary

 Spud Date:
 3/17/2022
 Time:
 12:00 AM

 TD Date:
 3/23/2022
 Time:
 12:00 AM

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1894.00ft Ground Elevation: 1884.00ft

K.B. to Ground: 10.00ft

CASING SUMMARY

Surface Intermediate Main

Bit Size Hole Size

Size Set At Type # of Joints Drilled Out At

Surf Casing 8 5/8" in 341 ft

Int Casing

Prod Casing 5 1/2" in 3344 ft

CASING SEQUENCE

Type Hole Size Casing Size At

0.00 in 0.00 0.00 ft

NOTES

Remarks:

5 1/2" production casing was set and cemented on the RJM Company; Reif #3.

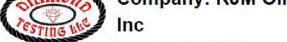
Respectfully yours,

James C Musgrove Petroleum Geologist

well comparison sheet

	REIF #3 RJM COMPANY NW-NW-SW 1-17S-12W			REIF #2 RJM COMPANY SE-NE-NW-SW 1-17s-12w Structural 1887 KB Relationship			REIF #1 RJM COMPANY NW-NW-SE-SW 1-17s-12w Structural 1880 KB Relationship				
Formation	70	Log	Sub-Sea	Log	Sub-Sea	Log	10	Samples	Sub-Sea	Log	1 1 1 1
Anhydrite	8	757	1137	748	1139	2	3	746	1134	-3	
Base Anhydrite	87	783	1111	ev .			-0	764	1116	5	
Heebner		2972	-1078	2965	-1078	0		2957	-1077	1	
Toronto	0.0	2988	-1094	2978	-1091	3	0.6	2972	-1092	2	
Douglas	8	3001	-1107				3	2986	-1106	1	
Brown Lime	87	3066	-1172	3059	-1172	0	ev	3052	-1172	0	
Lansing		3081	-1187	3078	-1191	-4		3066	-1186	1	
Base Kansas City	7.0	3328	-1434	3322	-1435	-1	136	3318	-1438	-4	
Arbuckle	2	3344	-1450	3331	-1444	6		3330	-1450	0	
Rotary Total Depth	2.5	3362	-1468	3353	-1466	2	55	3348	-1468	0	•
Log Total Depth	8.5	3362	-1468	3355	-1468	0	6.0	SA 5			





Lease: Reif #3 Operation:

County: BARTON State: Kansas Drilling Contractor: Southwind Drilling,

Inc - Rig 1 Elevation: 1884 GL Field Name: Odin East Pool: Infield Job Number: 559

Total Depth: 3157'

API#: 15-009-26334

DST #1 Formation: Lans A/F Test Interval: 3070 -3157 Time On: 15:23 03/21 Time Off: 22:16 03/21

Time On Bottom: 17:28 03/21 Time Off Bottom: 20:28 03/21

2022

Uploading recovery &

pressures

DATE

March

21

Recovered

Final Closed in Pressure

Final Hydrostatic Pressure

Foot BBLS		Description of Fluid	Gas %	Oil %	Water %	Mud %	
640	9.1072	G	100	0	0	0	
53	0.75419	SLOCM	0	2	0	98	
126	1.79298	SLGCHWCM	15	0	35	50	

NO

PSI

PSI

PSI

PSI

PSL

PSI

Total Recovered: 819 ft Reversed Out Total Barrels Recovered: 11.65437 Initial Hydrostatic Pressure 1458 Initial Flow 15 to 50 Initial Closed in Pressure 469 Final Flow Pressure 56 to 97

> Temperature 98 Pressure Change Initial 2.8 Close / Final Close

Recovery at a glance Recovery Water Gas Oil Mud 80.45% 0.13% 5.38% 14.03%

GIP cubic foot volume: 52.64238



Operation:

Uploading recovery &

pressures

Company: RJM Oil Company, Inc

Lease: Reif #3

455

1455

County: BARTON State: Kansas Drilling Contractor: Southwind Drilling, Inc - Rig 1 Elevation: 1884 GL Field Name: Odin East Pool: Infield Job Number: 559 API #: 15-009-26334

SEC: 1 TWN: 17S RNG: 12W

DATE March 22 2022

DST#2 Formation: Arbuckle Test Interval: 3224 -Total Depth: 3362' 3362

Time On: 16:52 03/22 Time Off: 23:40 03/22 Time On Bottom: 18:19 03/22 Time Off Bottom: 21:19 03/22

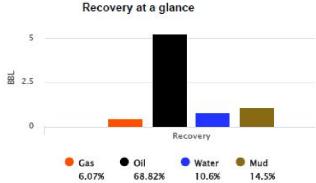
Recovered

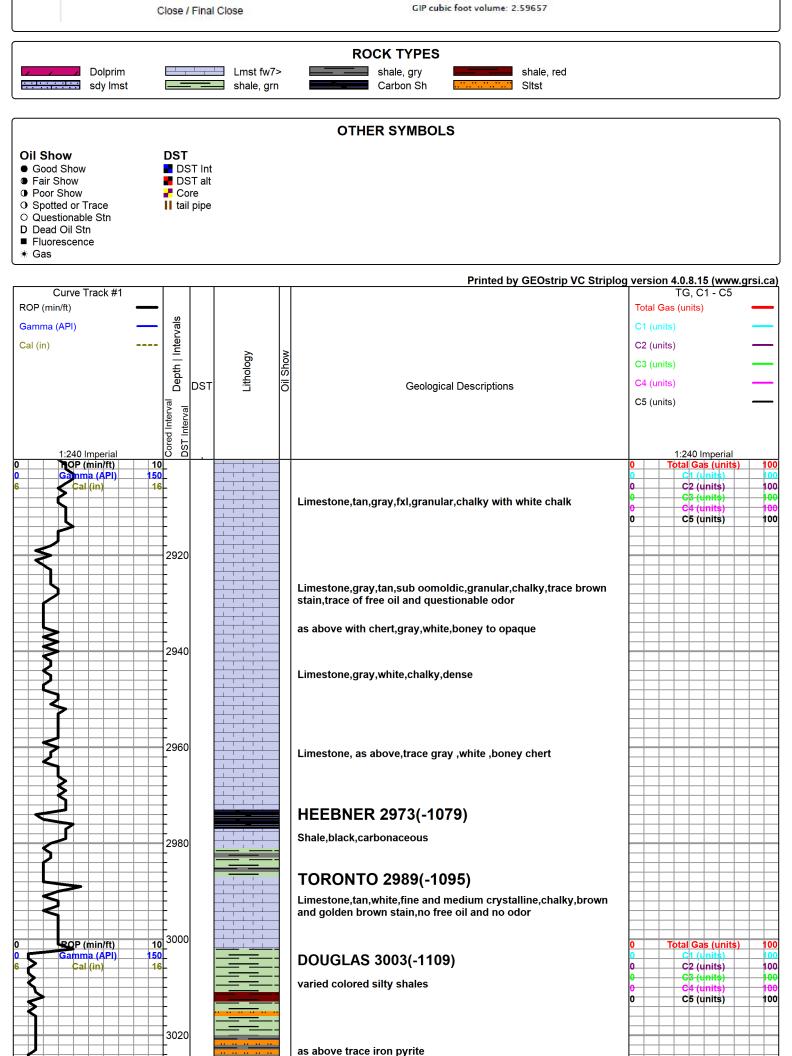
Foot BBLS		Description of Fluid	Gas %	Oil %	Water %	Mud %	
84	1.19532	0	0	100	0	0	
262	3.72826	SLGCMCO	10	70	0	20	
126	1.79298	SLGCSLWCSLMCO	5	75	10	10	
63	0.89649	SLMCSLOCW	0	10	70	20	

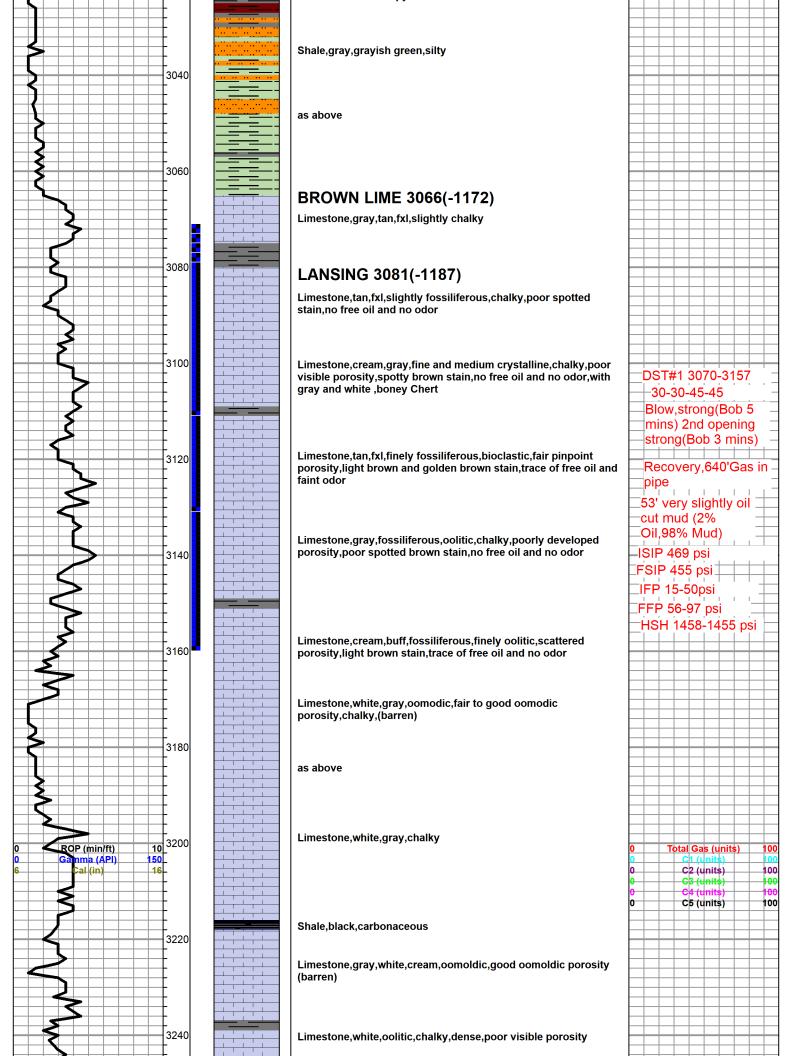
Total Recovered: 535 ft

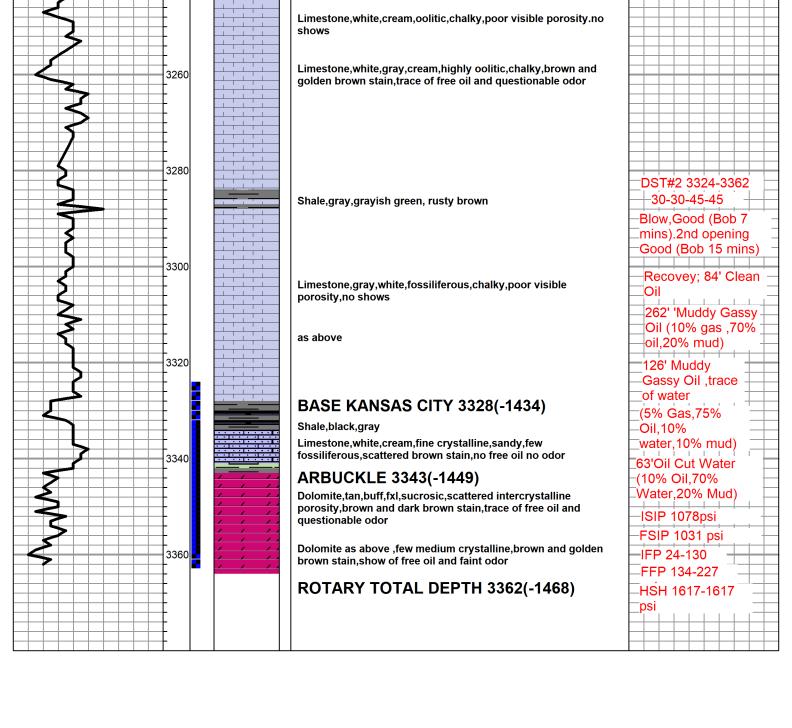
Pressure Change Initial

Total Barrels Recovered: 7.61305				
1617	PSI	_		
24 to 130	PSI	器 2.5		
1078	PSI			
134 to 227	PSI			
1031	PSI	0		
1617	PSI			
106	°F			
	1617 24 to 130 1078 134 to 227 1031 1617	NO 1617 PSI 24 to 130 PSI 1078 PSI 134 to 227 PSI 1031 PSI 1617 PSI		









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. 2739

Date 3-23-22 Sec.	Twp.	Range	40 DESC	County	State	On Location	3:00pm			
-awdoHubisq tipo muchs, Gry	naçae	I to men into t	Locati	Sales Constitution or	(799)8	PMD SMD .29				
Lease RETS Well No. 3 Contractor Southwind				Owner Odin 2 1 N To Quality Oilwell Cementing, Inc.						
Type Job Long String			MING TEA	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 \$	T.D. 3362			Charge R.Tm Co						
Csg. C_2	Depth		ro — I di	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. 13	Shoe J	oint 13,	TEN, III	Cement Am	ount Ordered 80	N Com 5% Gil.	sonite			
Meas Line	Displac	e 79.2		500491		10 Salt	a Station is			
EQUIP	MENT	record a blue to	br -	Common	150	o dausas dice ou al el	send an YT JAUG			
Pumptrk 17 No. Cementer Helper	MENON!	Bill	M MAN	Poz. Mix						
Bulktrk No. Driver Driver	5 ST! 28	KICK	7875	Gel.						
Bulktrk W No. Driver Cg/e	6	Dous	17020	Calcium						
JOB SERVICES	& REMA	RKS	andbro a	Hulls a fine sources and the look of the l						
Remarks:	pamse y	ragony to s yilli	dsil aiid	Salt 18 /4						
Rat Hole 15 M	AND THE	na Onethal	sion of	Flowseal						
Mouse Hole 3 0 Ax	tins tins	Jenis _u s ens m	onl as a	Kol-Seal 730 H						
Centralizers	of onto	ri. <u>Ar Vals, vo Tripue</u>	no ritse	Mud CLR 48	500 gal	balanta	-carried			
Baskets				CFL-117 or CD110 CAF 38						
D/V or Port Collar	- S Sept. 11		nuncial	Sand						
pipe set e 3342	Alga, Ma	Ceffno VILLA U	J to a j	Handling / 9						
shoe It. 13				Mileage						
Insent e 332	9	at taol ergos ve	ie Jarte		FLOAT EQUIPM	IENT				
pump soogal Flush		BALLET III AND	-30.2008	Guide Shoe	The state of the s					
Cent of 1352	ri, gadio:	91,2001 11 3 1	300	Centralizer 9						
pump plug of	793	886		Baskets	2		THE PROPERTY			
Land plug e	500	H BUSINESS TE	di apa	AFU Inserts	Barrat V relation	air and the	1			
Plost did hold		J 100	Float Shoe							
FOR THE REAL PROPERTY.	Lillani	1 AW 1/1A 2%	หกับเว	Latch Down	150 150 PM - HILL	25 SE CO 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Straight Hall			
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Signature Duw //////	V		D. yd 🖃	1	Land of the land	Total Charge	my mm and			

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. Notwith-standing 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 accessing 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.

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Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 2481

Sec. Twp. Range County State On Location Finish 3:00 a hansas Barton Location Ochin Lease Reif Well No. 3 Owner To Quality Oilwell Cementing, Inc. Contractor Southwind Drilling You are hereby requested to rent cementing equipment and furnish Type Job Surface cementer and helper to assist owner or contractor to do work as listed. Charge Hole Size 12 14 T.D. Csq. Depth Street Tbg. Size Depth State City The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered 180 60/40 4% CC 2 % 921 Cement Left in Csa. Shoe Joint Displace Meas Line **EQUIPMENT** Common Cementer David Poz. Mix Pumptrk Driver No. Bulktrk Gel. Driver ! Driver No. Bulktrk Calcium, Driver JOB SERVICES & REMARKS Hulls Salt Remarks: Rat Hole Flowseal Mouse Hole Kol-Seal Mud CLR 48 Centralizers Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand 5 5/8 and est Circular attending Mileage FLOAT EQUIPMENT Guide Shoe Circulate Centralizer Did Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Surface Mileage 2 Thanks Tax Discount Total Charge

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