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Operation:

Uploading recovery &

pressures

Company: L. D. Drilling, Inc Lease: Nuss #2

SEC: 35 TWN: 13S RNG: 32W County: LOGAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2900 EGL Field Name: Rose Garden NW Pool: Infield Job Number: 204

Total Depth: 4380'

DATE September 18 2018	DST #3

DST #3	Formation: Altamant / Pawnee	
Ti	me On: 21:07 09/18	

Description of Fluid

Time Off: 04:54 09/19

Test Interval: 4324 -

4380'

Time On Bottom: 23:27 09/18 Time Off Bottom: 02:27 09/19

<u>Recovered</u>			
<u>Foot</u>	BBLS		
58	0.59508		
5	0.0513		
63	0.64638		
126	1.29276		
126	1.29276		
63	0.64638		
567	5.81742		

G	
0	
SLOCSLGCHWCM	
SLOCGCHMCW	
SLOCGCHMCW	
SLOCSLMCHWCG	
SLOCSLMCW	

Reversed Out

NO

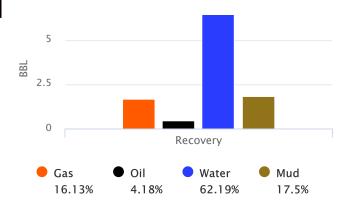
<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
100	0	0	0
0	100	0	0
9	1	40	50
28	2	35	35
28	2	40	30
45	5	40	10
0	5	85	10

Total Recovered: 1008 ft

Total Barrels	Recovered:	10.34208

Initial Hydrostatic Pressure	2109	PSI
Initial Flow	33 to 244	PSI
Initial Closed in Pressure	1137	PSI
Final Flow Pressure	240 to 443	PSI
Final Closed in Pressure	1075	PSI
Final Hydrostatic Pressure	2100	PSI
Temperature	127	°F
Pressure Change Initial	5.5	%
Close / Final Close		

Recovery at a glance





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BUCKET MEASUREMENT:

Diesel in Bucket 1st Open: 1/2" bob in 6 1/2min 1st Close: Nobb 2nd Open: 1/4" bob in 9 min 2nd Close: Built to 1 1/4 "

REMARKS:

Tool Sample: 0% Gas 5% Oil 85% Water 10% Mud

Gravity: 27.1 @ 60 °F

Ph: 7

Measured RW: .2 @ 72 degrees °F

RW at Formation Temp: 0.118 @ 127 °F

Chlorides: 35000 ppm

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Down Hole Makeup

Heads Up:	79.97 FT	Packer 1:	4319 FT
Drill Pipe:	4371.4 FT	Packer 2:	4324 FT
ID-3 1/4		Top Recorder:	4308.42 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	4361 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	56		
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top): 4 1/2-FH	2 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/4	31.5 FT		
Change Over:	.5 FT		
Perforations: (below): 4 1/2-FH	20 FT		

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18		Time On: 21:07 09/18	Time Off: 04:54 09/19	
2018		Time On Bottom: 23:27 09/18	Time Off Bottom: 02:2	27 09/19
Mud Properties				
Mud Type: Chemical	Weight: 9.4	Viscosity: 77	Filtrate: 10.4	Chlorides: 5000 ppm