



Company: Hartman Oil Company, Inc. SEC: 27 TWN: 21S RNG: 34W County: FINNEY State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10

Lease: Ely #3

Elevation: 2966 EGL Field Name: Nunn Pool: Infield Job Number: 151

		DST #2 Formation: LANS UPPER 'I"		S	Test Interval: 4050 - 4066'			Total Depth: 4500'	
02	May 02		Time On: 20:10 05/02		Time O	3			
2018		Time C	Time On Bottom: 22:25 05		5/02 Time Off Bottom: 02:10				
Recove	ered								
Foot	BBLS	<u>Descrip</u>	tion of Fluid		<u>Gas %</u>	<u>Oil %</u>	Wa	<u>ter %</u>	<u>Mud %</u>
125	0.65224	V	VCM		0	0	:	22	78
Total Recover Total Barrels F	-		Reversed Out NO		0.5	Recove	ry at a g	Jlance	_
Initial Hydrosta	tic Pressur	e 1935	PSI						
	Initial Flow	v 17 to 49	PSI	3BL	0.25				
Initial Closed	in Pressur	e 875	PSI	_					
Final Flo	ow Pressur	e 50 to 72	PSI						
Final Closed	in Pressur	e 867	PSI		0				
Final Hydrostat	tic Pressure	1930	PSI					Recove	ery
٦	Temperatur	e 106	°F			🔵 Gas	• Oil	🔵 Wat	er 🔎 Mud
Pressure C Close /	hange Initia / Final Clos		%			0%	0%	22%	5 78%



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DATE

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 Time On: 20:10 05/02
 Time Off: 04:12 05/03

 Time On Bottom: 22:25 05/02
 Time Off Bottom: 02:10 05/03

REMARKS:

TOOL SAMPLE:38% WATER 62% MUD WITH A FEW OIL SPECKS

IFP:WSB-INCREASING TO 2 1/2" IN 60 MINUTES ISIP:NO BLOW BACK FFP:NO BLOW-INCREASING TO 3/4" IN 60 MINUTES FSIP:NO BLOW BACK

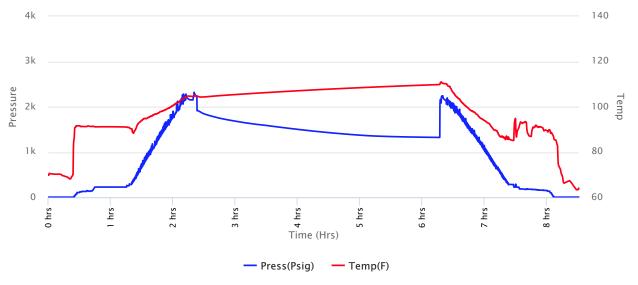
BELOW STRADDLE MAX PSI:1917

Ph: 9

RW: .27 @ 45 degrees F

Chlorides: 48000 ppm

Below Straddle Recorder





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<u>DATE</u>
May
02
2018

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 Time On: 20:10 05/02
 Time Off: 04:12 05/03

 Time On Bottom: 22:25 05/02
 Time Off Bottom: 02:10 05/03

Down Hole Makeup

Heads Up:	5.84 FT	Packer 1:	4045 FT
Drill Pipe:	3901.77 FT	Packer 2:	4050 FT
ID-3 1/2		Packer 3:	4066 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	4033.92 FT
Collars:	121 FT	Bottom Recorder:	4055 FT
ID-2 1/4		Below Straddle Recorder:	4486 FT
Test Tool:	34.07 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH Jars		Surface Choke:	1"
Safety Joint		Bottom Choke:	5/8"
Total Anchor:	16		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	12 FT		
STRA	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	1 FT		
Drill Pipe: ID-3 1/2"	412.63 FT		
Change Over:	.5 FT		
Perforations (in tail pipe): 4 1/2-FH	15 FT		



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02	Tim	ne On: 20:10 05/02	Time Off: 04:12 05/03	
2018	Tim	ne On Bottom: 22:25 05/02	Time Off Bottom: 02:10	05/03

Mud Properties

Filtrate: 8.8



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02	Tim	ie On: 20:10 05/02	Time Off: 04:12 05/03				
2018	Tim	e On Bottom: 22:25 05/0	2 Time Off Bottom: 02:1	0 05/03			
Gas Volume Report							

1st Open					2nd Open				
Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D	