



accuracy or correctness of the results, damages, or interpretations are also

Company	MAI OIL OPERATIONS, INC.
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Well Field	RICHARD FAMILY PARTNERSHIP #1 AKERS	not guarant responsible fo employees. chedule
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County	BARTON	State	KANSAS
Location:	API #: 15-009-26189-0000		Other Services DUMEL

SEC 35	TWP 17S	RGE 13W	
GROUND LEVEL Elevation			1824
Imminent Datum			NA 88
1930 FOL & 113 FWL			
SW - SE - NW - SW			

kg Measured From	KELLY BUSHING & A.G.L	D.F. 1830
Drilling Measured From	KELLY BUSHING	G.L. 1824
11/14/17		
CNF		

3410			
3411			
3387			
2700			

8 5/8" @ 453			
453			
7 7/8			
CHEMICAL MUD	CHLORIDES 8000 PPM		

9.5/8.8	
FLOWLINE	
.40 @ 72F	
30 @ 72F	

	.48 @ 72F			
	MEASUREMENT			
	.26 @ 110F			
	2 HOURS			
>>				

Temperature	110°F	3802	HAYS, KANSAS
Interpretations by interpret ases incurred			

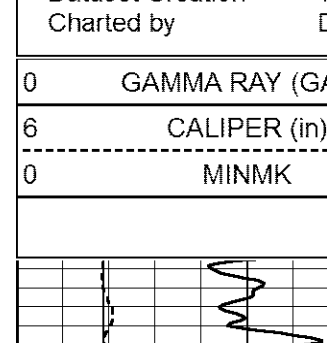
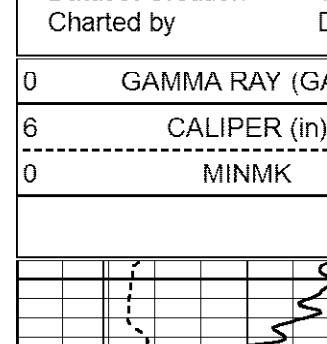
JASON CAPELLUCCI			<<	All in of an exper
JIM MUSGROVE				

THANK YOU FOR USING FLUIDLINE. SEE US AT: HUNG KONG (735) 333 3335

2 EAST - 1/8 MILE NO



MAIN SECTION



TX	30	COMPENSATED DENSITY (pu)
3) 0	30	COMPENSATED NEUTRON (pu)
TX		0.25 CORRECTION

GAMMA RAY (GAPI)		CALIPER (in)		MINMK		AVTX		BVTX		COMPENSATED DENSITY (pu)		COMPENSATED NEUTRON (pu)		CORRECTION (g/cc)	
0	150	6	20	0	10	0	30	0	10	30	130	30	130	-0.25	0.25
Database File 1794ddn8.db Calibration Report															

ned: Tue Jul 25 12:00:00
 rmed: Tue Jul 25 12:00:00

Surface Calibration	
Length:	4 in

V	1.000	400.000
V	1.000	464.000

Internal:	Zen
Deep	0
Medium	0

Downhole Calculation	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		6000.000	mmho-m		

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Serial: 140704 Model: V4_10P Source Number: 74GBq-19				
Master Calibration		Performed: Wed Feb 11 18:53:41 2015		
	Background	Aluminum	Magnesium	
Window 1	613.01	6027.40	27508.60	cps
Window 2	48.21	1424.77	7132.66	cps

Window 5	622.07	10090.30	18937.90	cps	
Window 6	49.07	1682.84	3271.18	cps	
Window 8	298.04	3248.38	5980.58	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	-1.8451	SS Alpha:	-0.7542	LS CPE:	1.0882
LS Beta:	138648.8473	SS Beta:	21960.9250	SS CPE:	1.5181

Before Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969
Window 1	0.00	cps	
Window 2	0.00	cps	
Window 4	0.00	cps	
Window 5	0.00	cps	
Window 6	0.00	cps	
Window 8	0.00	cps	

After Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969
Window 1	0.00	cps	
Window 2	0.00	cps	
Window 4	0.00	cps	
Window 5	0.00	cps	
Window 6	0.00	cps	
Window 8	0.00	cps	

Linearity Caliper Calibration				Performed: Wed Feb 11 16:53:41 2015	
Results		References (in)			
Low	High	Low	High	Gain	Offset
1107.5	7124.1	8.0	15.0	0.0	6.3
Before Survey Caliper Verification				Performed:	
Reference		Reading			

Caliper (in)		
After Survey Caliper Verification		Performed:
	Reference	Reading
Caliper (in)		

Compensated Neutron Calibration Report				
Serial Number:		080621PMC		
Tool Model:		NABORS		
PRE-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	

Long Space	cps	pu	pu
POST-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
Gamma Ray Calibration Report			

Standard Number:	Probe1	
Tool Model:	Tue Jul 25 12:16:33 2017	
Performed:		
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4000	GAPI/cps