Dresser Atlas

Densilog® Gamma Ray

COMPANY: MORGAN OIL COMPANY
WELL: UNITED #2
FIELD: WILDCAT
COUNTY: MORGAN
STATE: COLORADO
API NO.
LOC: 330' FNL & 330' FEL
SEC. 11 TWP. 3N RGE. 67W
Other Services: DIL, CNL/GR, BHC, CBL
Permanent Datum: GL
Elevation: K.B. 4679 D.F. G.L. 4672
Log Measured From: KB 12 Ft. Above Perm. Datum
Drilling Measured From: KB
Date: 12-10-81
Run No. ONE
Depth-Driller: 5175
Depth-Logger: 5167
Bottom Log Interval: 5164
Top Log Interval: 3000
Casing-Driller: 8 5/8 @ 1000
Casing-Logger: NONE
Bit Size: 7 7/8
Type Fluid in Hole: GEL CHEM
Dens. Viscosity: 9.4 LB/GAL 38 SEC
Max. Rec. Temp. °F: 120
Operating Rig Time: 12 HRS
Recorded By: D. SMITH
Witnessed By: MR. MCCLURE

DECLASSIFIED

COLD HOPE

Remarks

EQUIPMENT DATA

	RUN NO. 1			RUN NO. 2			RUN NO. 3		
	CDL	CNL/Gr	GR	CDL	CNL/Gr	GR	CDL	CNL/Gr	GR
Unit Serial No.			1-1-1						
Serial No.			2-2-2						
Operator	1-1-1		3-3-3						
Unit Position	1-1-1								
Detector No.	1-1-1								
Cam	1-1-1								
Source Model No.	1-1-1								
Serial No.	1-1-1								
Pad Serial No.	1-1-1								
Pad Type	1-1-1								

LOGGING DATA

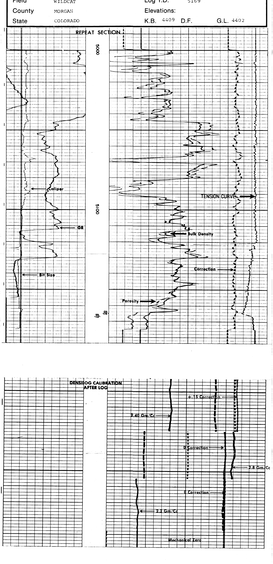
Computed Logs Running

General					Density				Neutron			Gamma Ray			
Run No.	Depth Driller	Depth Logger	Speed Ft/Min	T.C. Sec.	Density Sens.	Res.	Porosity Sens.	Compensation Mode	T.C. Sec.	Sensitivity Sens.	Sensitivity Sens.	API Units Sens.	API Units Sens.
1	5175	5167	30	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

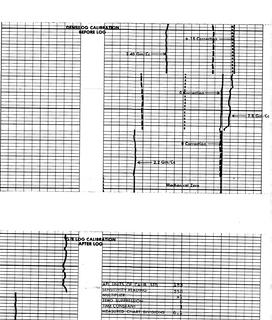
General				Compensated Neutron				Caliper
Run No.	From	To	Speed Ft/Min	T.C. Sec.	Sens. LS	Sens. SS	Porosity	Hole Size

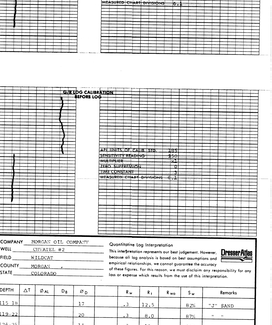
Lithology

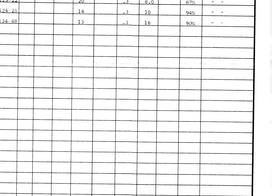
Note

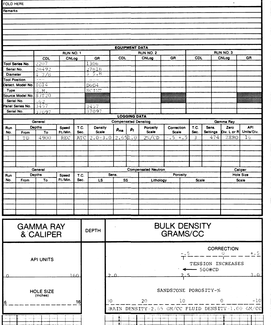


Company	MORGAN OIL COMPANY	Drillers T.D.	5175
Well	UNITED #2	Log F.R.	5167
Field	WILDCAT	Log T.D.	5169
County	MORGAN	Elevations:	
State	COLORADO	K.B. 4679	D.F. G.L. 4672









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Quantitative Log Interpretation

This interpretation represents our best judgement. However, because all log analysis is based on best assumptions and empirical relationships, we cannot guarantee the accuracy of these figures. For this reason, we must disclaim any responsibility for any loss or expense which results from the use of this interpretation.

DEPTH	ΔT	ϕ_{NL}	ϕ_D	ϕ_S	R_w	R_t	R_{xo}	S_w	Remarks
3115.35			17		.3	72.5		82%	"2" BAND
3119.22			20		.3	8.0		87%	- -
3124.21			16		.3	10		94%	- -
3128.87			13		.3	18		90%	- -

References
ΔT_{NA}
ΔT_f
ΔT_m
ϕ_{NA}
ϕ_f
ϕ_m = 2.65
ϕ_f = 1.00

J.W. CROGE
SENIOR ATLAS INTERPRETER

12 10 81
DATE