Tucker

217-22313

DUAL INDUCTION RESISTIVITY LOG

RECEIVED FEB 23 2009
Mo Oil & Gas Council

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Released [illegible] Feb 23 2010

File No. :	[illegible]
Company :	[illegible]
Well :	[illegible]
Field :	VERNICK
County :	[illegible]
State :	MISSOURI
Country :	U.S.A.
Location :	PERMIT#: [illegible]
	[illegible] FNL & [illegible] FWL
	SE SW NW
	Sect : 7 Twp : 36N Rge : 33W
Recorded By :	B. BAILEY
Witnessed By :	M. MACHOSKY
Date :	JUL 29 2008
Run No. :	1
Permanent Datum :	GL
Drilling Measured From :	GL
Log Measured From :	GL
Above Permanent Datum :	0.00 FT
Depth--Driller :	[illegible] FT
Depth--Logger :	[illegible] FT
Bottom Log Interval :	[illegible] FT
Top Log Interval :	20.0 FT
Casing Depth--Driller :	20.0 FT
Casing Depth--Logger :	20.0 FT
Casing Diameter :	7.000 IN
Bit Size :	6.250 IN
Unit No. :	118
Location :	[illegible]

Elevations :
KB : [illegible]
DF : [illegible]
GL : 866.[illegible] FT

Additional Services:
CNT
LDT

The customer is hereby warned that by providing the log data herein, T. W. S. does not [illegible] of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. [illegible] either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to [illegible] meters or recommendations which may be given by T. W. S. personnel. Any interpretation, [illegible] part of the consideration for the agreement between the parties and is not part of any part of [illegible] its services. Any user of the log data is warned that said user is not entitled to rely on [illegible] recommendations as aforesaid.

Run Number 1

Depth To Fluid	0.0	FT
Fluid Type In Hole :	NATIVE	
Density :	0.000	LBS/GAL
Viscosity :	0.000	SEC
pH :	0.000	
Fluid Loss :	0.000	CC
Salinity :	0.000	
RM Source :	MEASURED	
RM :	5.600	OHMM at [illegible]
RM at BHT :	5.600	OHMM at [illegible]
RMF Source :	CALCULATED	
RMF :	4.760	OHMM at [illegible]
RMF at BHT :	4.760	OHMM at [illegible]
RMC Source :	CALCULATED	
RMC :	6.440	OHMM at [illegible]
RMC at BHT :	6.440	OHMM at [illegible]
Max Recorded Temp. :	[illegible]	
Time Circulation Stopped :		
Operating Rig Time, Hrs. :	2.5	

- Source Serial Numbers -

Gamma	311-498
Neutron	2116NB

- Sonde Serial Numbers -

[illegible]	[illegible]
CNT	CNP-AD-34
LDTHG	LDP-HG-01
PIT B	PIT-AC-25

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	32.00	30.00

- Comments -

ALL PRESENTATIONS AS PER CUSTOMER REQUEST.

RUN #1: GRT, PIT RAN IN COMBINATION.
RUN #2: GRT, CNT, LDT RAN IN COMBINATION.
CALIPERS ORIENTED ON THE X-Y AXIS.
PHIN IS CALIPER CORRECTED.
1.5" STANDOFF DEPLOYED ON PIT.
ANNULAR HOLE VOLUME CALCULATED USING 4.50" PRODUCTION CASING.
2.71 G/CC USED TO CALCULATE POROSITY.
2ND RUN REPEAT RUN UP HOLE DUE TO LOGGER PULLING TIGHT ON BOTTOM.

GRT: GRP.
CNT: PHIN, CLCNIN, PHINLS.
LDT: PORL, LCORRN, PECLN, CLLDIN, LDENN, PORLLS, PECSN.
PIT: CIRD, SFLARC, ILM, ILD

OPERATORS:

M.BURKE
S.BARTO

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length [illegible] Ft.
Maximum Outside diameter [illegible] in.
Net Weight in Air [illegible] lbs.

Tool: GRTB Length: [illegible]
Sonde ID : [illegible]
Measure Point Stack Offset Tool Offset Bottom Offset

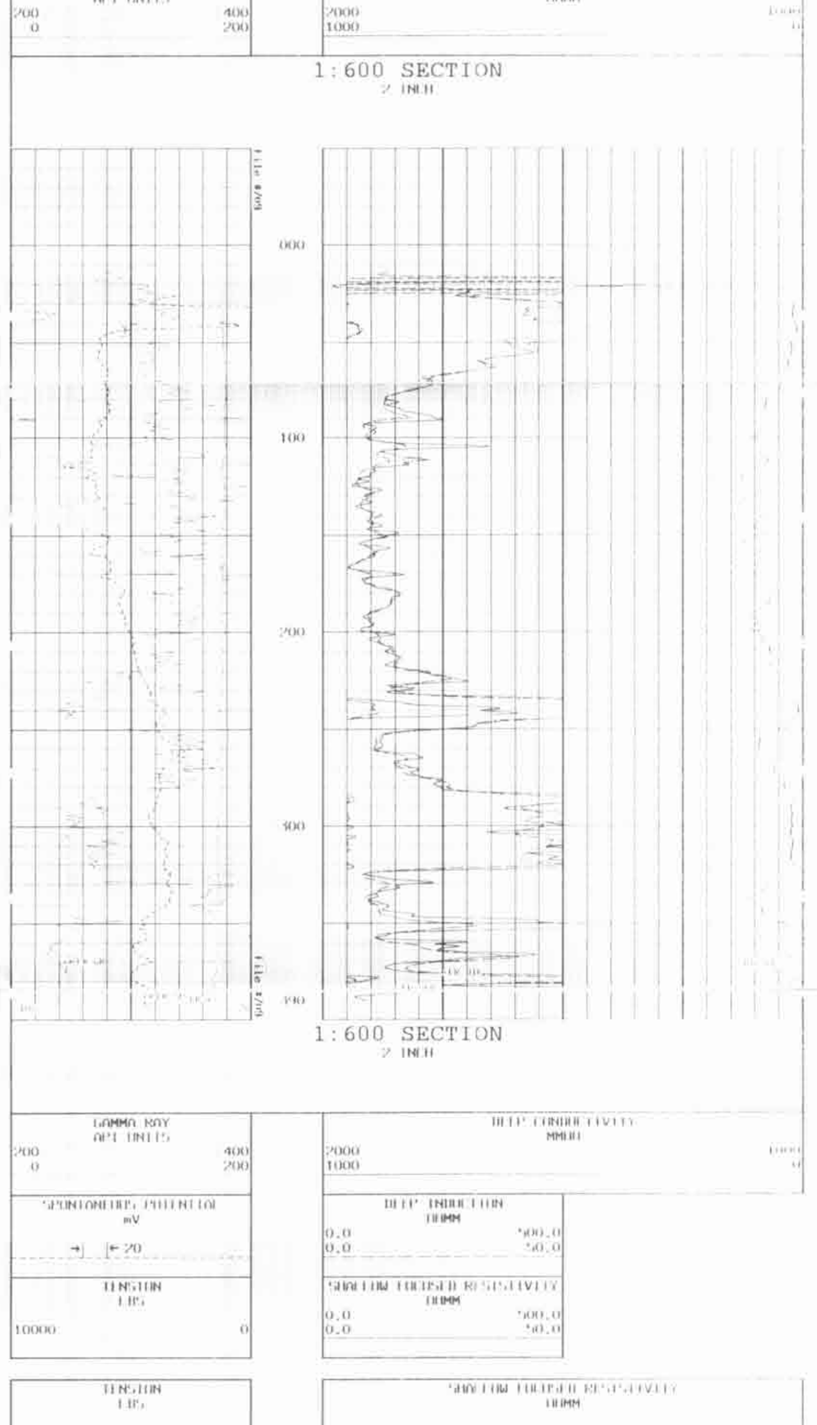
Tool: CNT Length: [illegible]
Sonde ID : [illegible]
Source ID : [illegible]
Pad ID : [illegible]
Measure Point Stack Offset Tool Offset Bottom Offset

Tool: LDTHG Length: [illegible]
Sonde ID : [illegible]
Source ID : [illegible]
Pad ID : [illegible]
Measure Point Stack Offset Tool Offset Bottom Offset

Tool: PIT Length: [illegible]
Sonde ID : [illegible]
Measure Point Stack Offset Tool Offset Bottom Offset

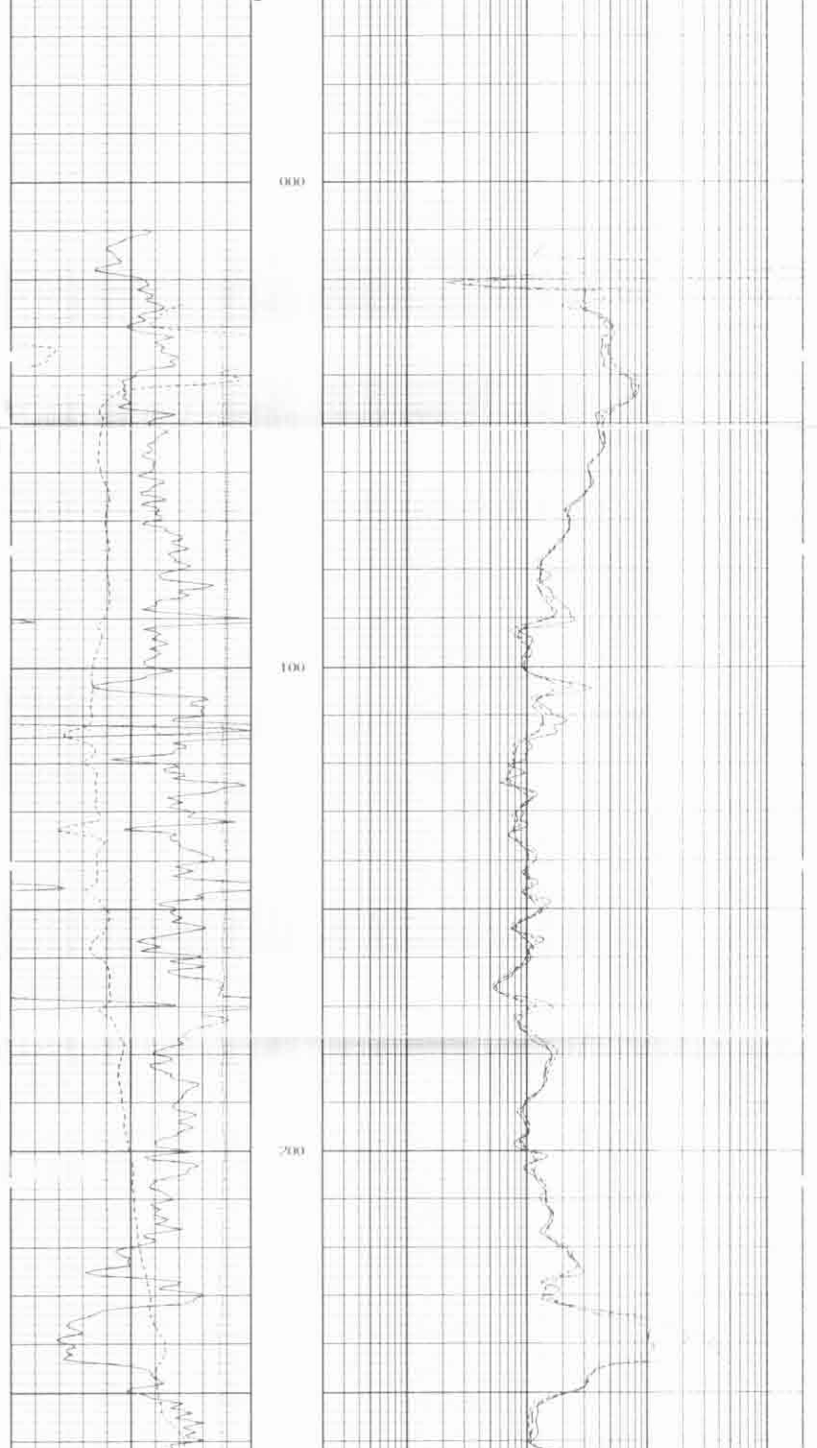
TENSION LBS 10000 0
SPONTANEOUS POTENTIAL mV
SHALLOW FOCUSED RESISTIVITY OHMM 0.0 500.0
DEEP INDUCTION OHMM 0.0 500.0

1:600 SECTION



1:600 SECTION

1:240 MAIN SECTION

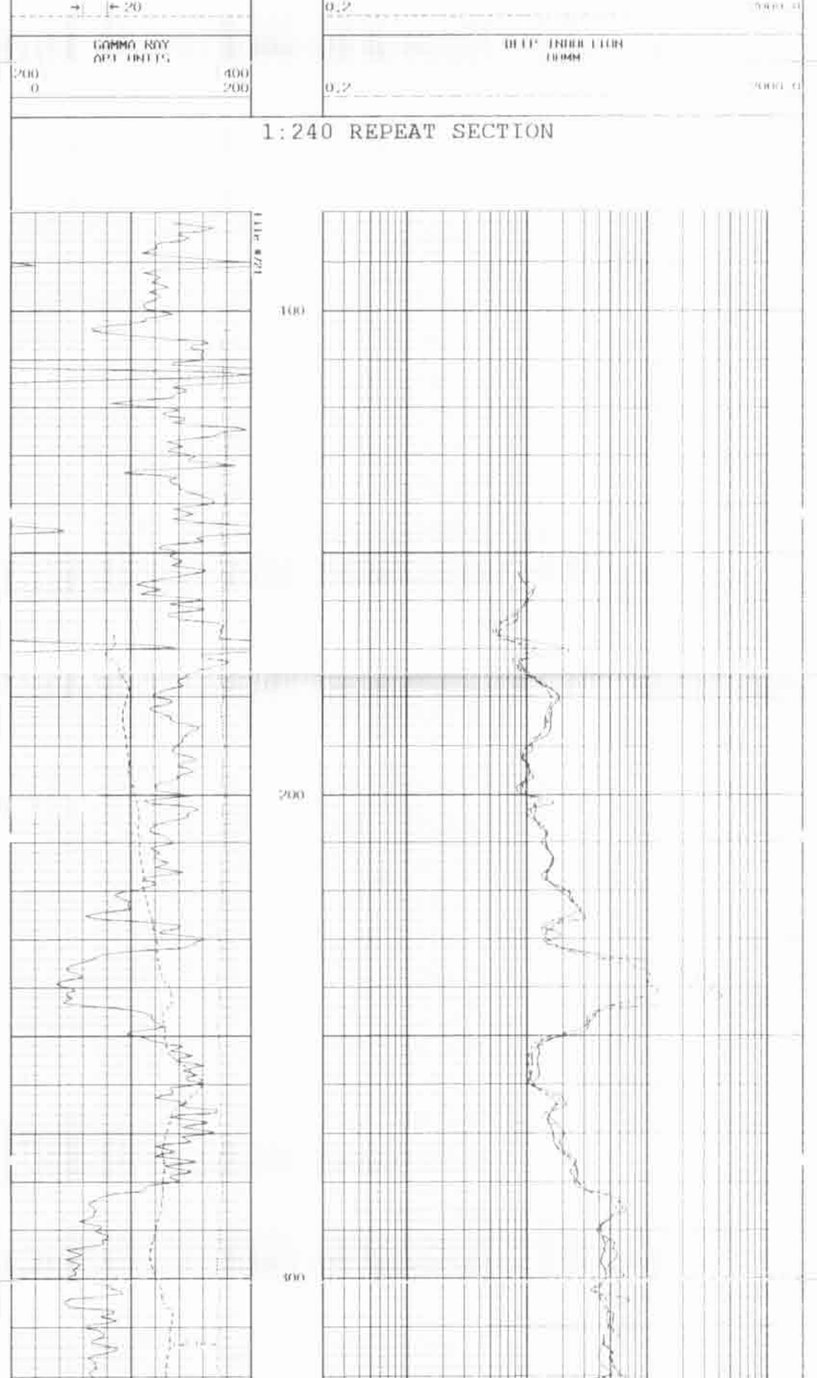


1:240 MAIN SECTION

GAMMA RAY API UNITS 0 200
SPONTANEOUS POTENTIAL mV
TENSION LBS 10000 0
DEEP INDUCTION OHMM 0.2 2000.0
MEDIUM INDUCTION OHMM 0.2 2000.0
SHALLOW FOCUSED RESISTIVITY OHMM 0.2 2000.0

* Borehole Zone Factors *

1:240 REPEAT SECTION



1:240 REPEAT SECTION

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 F

* Calibration Summary *

Shop Calibration
GRTB

Shop Calibration
PIT B

Medium

Deep

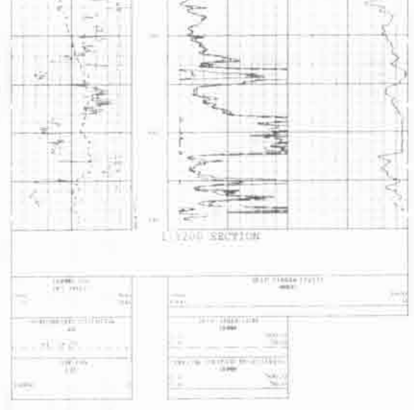
Temperature

Internal

Internal

Internal

1:1200 SECTION



1:1200 SECTION