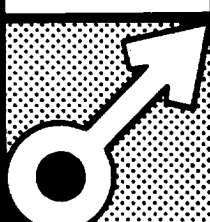


ADDITIONAL SERVICE



FILE NO. 6550	COMPANY HARVEY E. STATES, CO.	
WELL	McDONALD NO. 2	
FIELD	MIDCAT	
COUNTY	LEA	STATE NEW MEXICO
LOCATION: 660' FNL. & 660' FNL.	Other Services CON/DIPL.	
SEC 3	TWP 14S	RGE 36E
Permanent Datum	GL	Elevations: KB 3945.4 DF 3959' GL 3945.4'
Log Measured from	KB	
Drilling Measured from	KB	
Date	06/22/82	
Run No.	ONE	
Service Order	56199	
Depth—Driller	14575	
Depth—Logger	14581	
Bottom Logged Interval	14578	
Top Logged Interval	12100	
Casing—Driller	8 5/8 @ 1630	@
Casing—Logger	N/L	@
Bit Size	7 7/8	
Type Fluid In Hole	S.W. GEL.	
Density and Viscosity	8.7 65	
pH and Fluid Loss	8.0 8.4 cc	cc
Source of Sample	FLOURLINE	
Rm @ Meas. Temp.	.86 @ 75 °F	@ °F
Rmt @ Meas. Temp.	.73 @ 75 °F	@ °F
Rmc @ Meas. Temp.	- @ - °F	@ °F
Source of Rmt and Rmc	M M	
Rm @ BHT	.39 @ 167 °F	@ °F
Time Since Circ.	17 HRS.	
Max. Rec. Temp. Deg. F.	167 °F	°F
Equip. No. and Location	6328 HOBBS	6328 ODESSA
Recorded By	RRVAN/RR ANN	

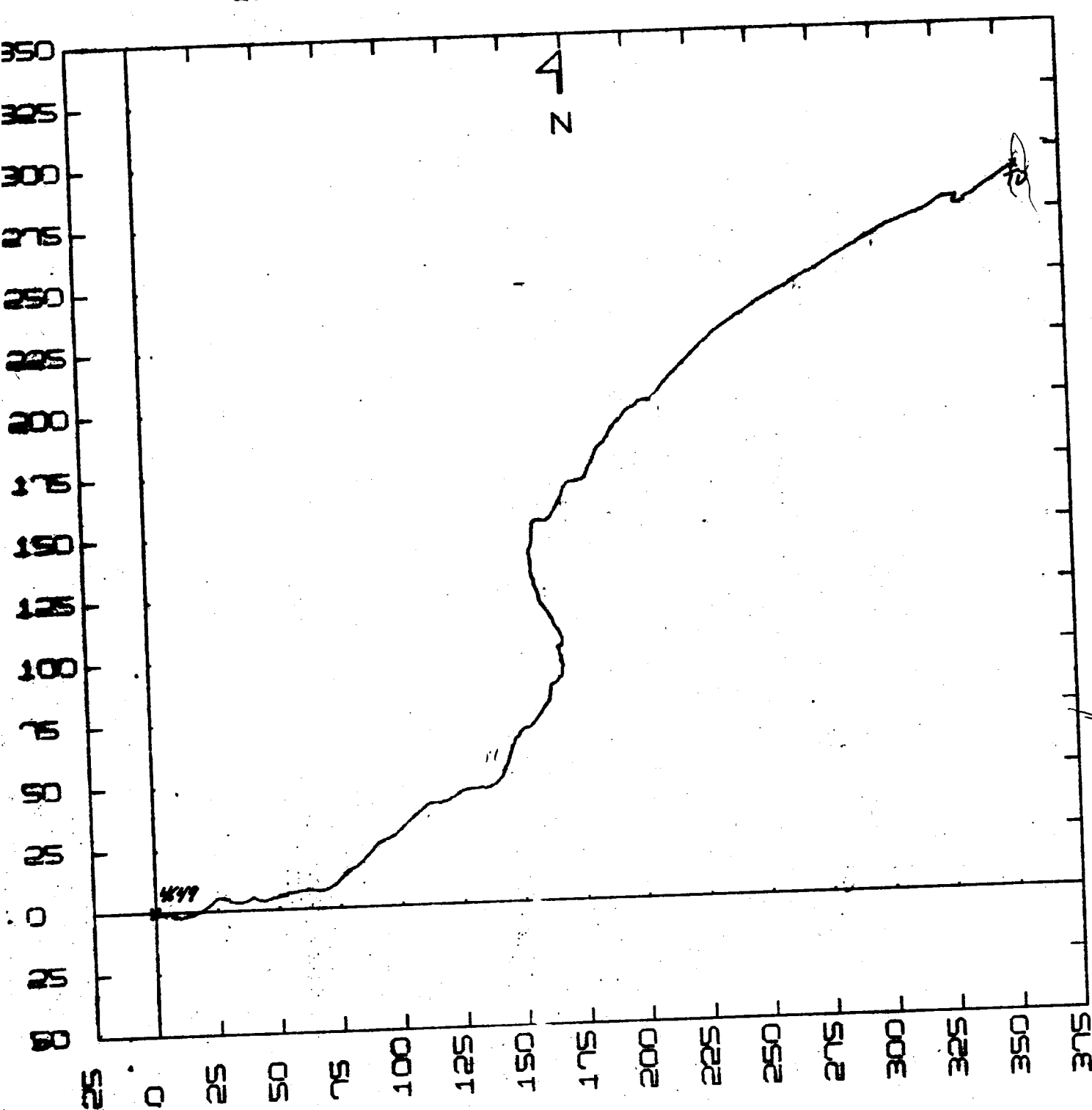
OLD HERE

marks: In making interpretations of logs our employees will give Customer the benefit of their best judgement, but since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or the correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the Customer resulting from any interpretation made by any of our employees.

EQUIPMENT DATA				
	RUN NO. 1	RUN NO. 2	RUN NO. 3	RUN NO. 4
ies No. Tool	1013			
d Type	FOCUSED			
d Section Serial No.	37910			
ctronics Serial No.				
entation Type	0° - 45°			
entation Serial No.				
nel Series No.	1054			
nel Serial No.	150536627			
pe Unit Series No.				
pe Unit Serial No.				
rrelated by	NAMOUT			
uted by	NAMOUT			

HARVEY E. YATES CO.
356.94 E
291.26 N

N 50.78 E
450.70 FT



Company	HARVEY E. YATES CO.	Drillers T.D.	14575'
Well	MCDONALD NO. 2	Log F.R.	14581'
Field	WILDCAT	Log T.D.	14578'
County	LEA	Elevations:	
State	NEW MEXICO	K.B. 3961'	D.F. 3959' G.L. 3954.4'