



McCULLOUGH

TOOL COMPANY

RADIATION LOG



B-3249

Location of Well

COMPANY HUMBLE OIL AND
REFINING COMPANY
WELL NEW MEXICO STATE "AY" #1
FIELD BISTI
COUNTY SAN JUAN STATE NEW MEXICO
LOCATION SECTION 32 - 25N - 10W
C - NE - SE

COMPANY HUMBLE OIL &
REFINING CO.
WELL NEW MEX. STATE "AY" #1
FIELD BISTI
COUNTY SAN JUAN STATE N. MEX.
LOCATION SEC. 32 - 25N - 10W
C - NE - SE

Log Meas. From 10' ABOVE GROUND LEVEL Elev. 6803'

Orig. Meas. From 10' ABOVE GROUND LEVEL Elev. 6803'

Perm. Datum GROUND LEVEL Elev. 6793'

Rec. Trk. No. 1462 Trk. No. 1287 Trk. Oper. SPEARS Log Ticket No. 61735

Date 1-17-58 Maximum Recorded Temp.

Total Depth (Driller) 5375' Effective Depth (McCullough) 5372'

Type of Fluid in Hole OIL Fluid Level FULL

O.D. of Instrument 3" Length of Device—Overall 11'

Neutron Source # 003 Spacing 19" Setting --

Recorded By MANNING Witnessed By MR. RUSHNELL

Type of Log	GAMMA RAY	GAMMA RAY	NEUTRON	NEUTRON
Run No.	1		1	
Top of Logged Interval	4894'		4900'	
Bottom of Logged Interval	5364'		5370'	
Time Constant	G-3 TC-3.25SEC D-192 R-4		G-3 TC-3SEC D-194 R-3	
Logging Speed Ft./Min.	30'		30'	
Statistical Variation				
Sensitivity-Micro-Roentgens Per. Hr. Per. Inch	2.7		75 COUNTS PER SEC. PER IN.	

CASING RECORD (Customers)			OPEN (BORE) HOLE RECORD	
Run No.	Size—In.	Wt.—Lb.	Interval	Interval
1	8-5/8"	--	0' to 183'	
2	5"	--	0' to 5414'	
3			to	to
4			to	to
5			to	to

REMARKS OR OTHER DATA
NOTE: McCULLOUGH LOG ALTERED TO MATCH SCHLUMBERGER LOG.
SCHLUMBERGER LOG 5375' AND McCULLOUGH LOG 5370'.
REPEAT SECTION RUN AT McCULLOUGH DEPTH.
REMAINING LOG RUN AT SCHLUMBERGER DEPTH.

GAMMA
RADIATION INCREASE

NEUTRON
RADIATION INCREASE

MICRO-ROENTGENS/HR.

CASING
AND
COLLAR
LOG

COUNTS/SEC.

2.7 5.4 8.1 10.8

300 375 450 525 600

GAMMA ZERO

NEUTRON ZERO

STATISTICAL CHECK

STATISTICAL CHECK

MANUAL
SHIFT

MANUAL
SHIFT

4900

5"

5000

5100

5200

5300

5400

5500

5600

5700

5800

5900

6000

CO. BOTTOM 5375'
MO. BOTTOM 5372'

REPEAT SECTION
5250

5350

GAMMA
ZERO 2"

HUMBLE OIL &
REFINING CO.
NEW MEX. STATE "AY" #1
BISTI FIELD
DATE: 1-17-58

NEUTRON
ZERO 5"