

Standard Ex 5 G 4089

SCHLUMBERGER

COMPENSATED
FORMATION DENSITY LOG

Gamma Gamma

COMPANY HANAGAN PETROLEUM CORP.WELL INDIAN FEDERAL #1FIELD INDIAN BASINCOUNTY EDDY STATE N. M.Location: 1650 FNL
1980 FNLOther Services:
SNP, ML, CDRSec. 21 Twp. 22-S Rge. 23-ECOUNTY
FIELD or
LOCATION
WELL
COMPANYPermanent Datum: GROUND LEVEL; Elev.: 4256.6
Log Measured From K.B., 17.4 Ft. Above Perm. Datum
Drilling Measured From K.B.Elev.: K.B. 4274
D.F. 4256.6
G.L. 4256.6

Date 12/9/66
Run No. ONE
Type Log FDC + GR
Depth—Driller 7585
Depth—Logger 7592
Bottom logged interval 7591
Top logged interval 0
Type fluid in hole CHEM GEL
Salinity, PPM Cl. 2200
Density 8.7
Level FULL
Max rec. temp., deg F. 148°
Operating rig time 5 HRS
Recorded by TARBALL
Witnessed by HANAGAN

MARKED LOG

SNIDER DISTRICT
DISTRIBUTION

HOUSTON

MIDLAND

PRINT

FILE

DATE

RUN BORE-HOLE RECORD

CASING RECORD

No.	Bit	From	To	Size	Wgt.	From	To
1	778	C.S.G.	T.D.	8 5/8		SURF.	2101

Std Ex 4 Ck 4089

SCHLUMBERGER**BOREHOLE COMPENSATED
SONIC LOG - GAMMA RAY**SCHLUMBERGER WELL SURVEYING CORPORATION
Houston Texas

COMPANY STANDARD OIL COMPANY OF TEXAS

FINAL PRINT

WELL BOGLE FLATS UNIT # 5

FIELD INDIAN BASIN

COUNTY EDDY

STATE NEW MEXICO

LOCATION 1650' FROM N/L
1980' FROM W/LOther Services:
FDC, SNP, IIL

Sec. 16 Twp. 22S Rge. 23E

Permanent Datum: GL, Elev. 4159
Log Measured From KB, 13.25 Ft. Above Perm. Datum
Drilling Measured From KBElev.: K.B. 4172.25
D.F. 4171
G.I. 4159

Date	9-6-65				
Run No.	ONE			Spud date:	8-11-65
Depth—Driller	7480			Comp. date:	10-7-65
Depth—Logger	7481				
Btm. Log Interval	7472			I.P. CNOF	38,400 MCFPD
Top Log Interval	2250				
Casing—Driller	8 3/4 @ 2250	@	@	@	@
Casing—Logger	2250				
Bit Size	7 7/8"				
Type Fluid in Hole	GEL, CAUSTIC, CMC, OIL				
Dens.	8.8	46			
Visc.					
pH	10	5.4 ml	ml	ml	ml
Fluid Loss					
Source of Sample	PIT				
R ₁ @ Meas. Temp.	1.82 @ 84 °F	@ °F	@ °F	@ °F	@ °F
R ₂ @ Meas. Temp.	.43 @ 74 °F	@ °F	@ °F	@ °F	@ °F
R ₃ @ Meas. Temp.	2.29 @ 78 °F	@ °F	@ °F	@ °F	@ °F
Source: R ₁ R ₂ R ₃	M M				
R ₄ @ BHT	1.15 @ 132 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	14 1/2 HOURS				
Max. Rec. Temp.	132 °F	@ °F	@ °F	@ °F	@ °F
Equip. Location	3701 HOBBS				
Recorded By	LEFLER				
Witnessed By	MR. DRYDEN				

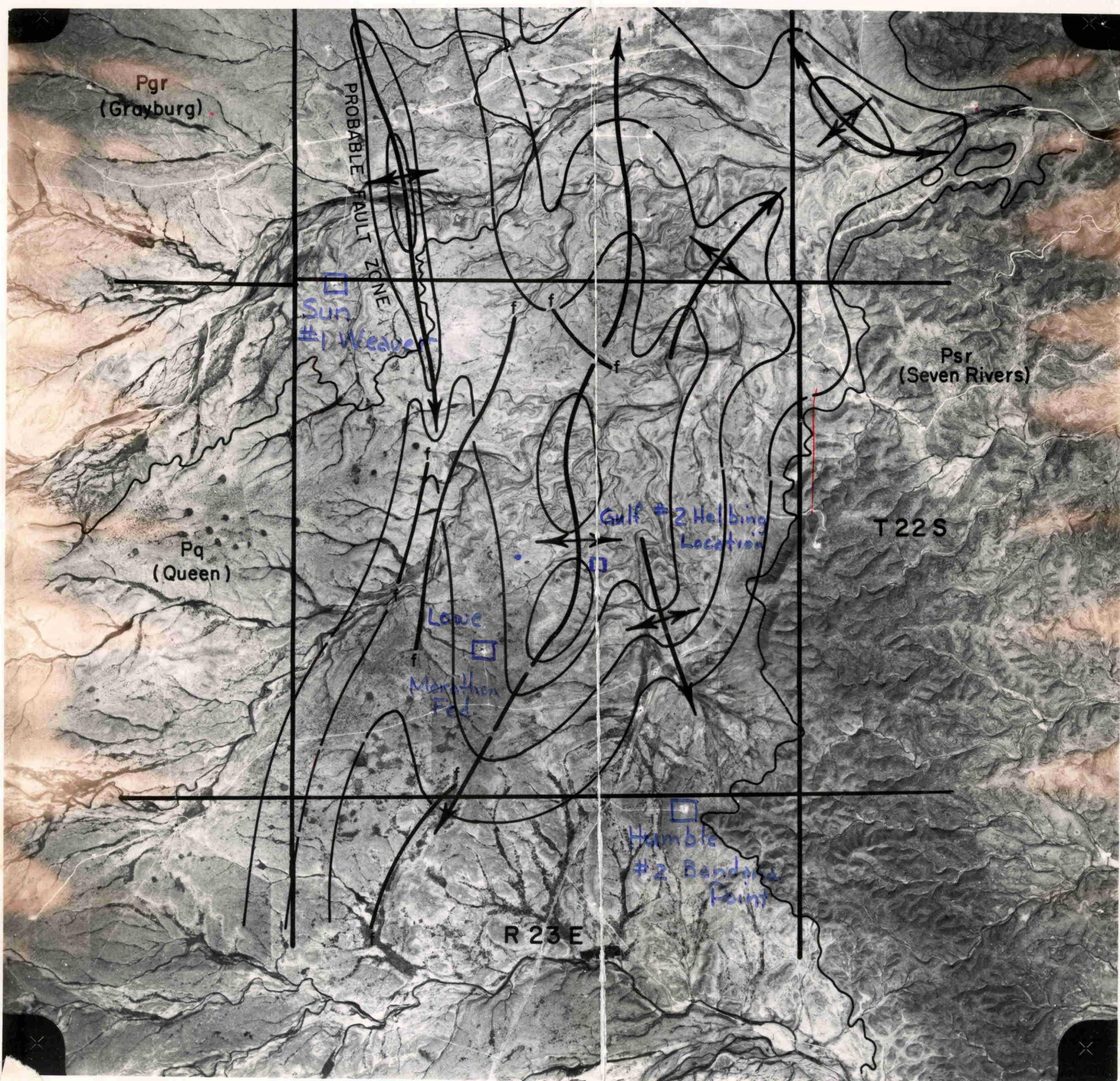


FIGURE 2C
INDIAN BASIN

West Texas Geological Society
Guidebook
1968

Case 4089 De Novo Exhibit 5
6-26-69