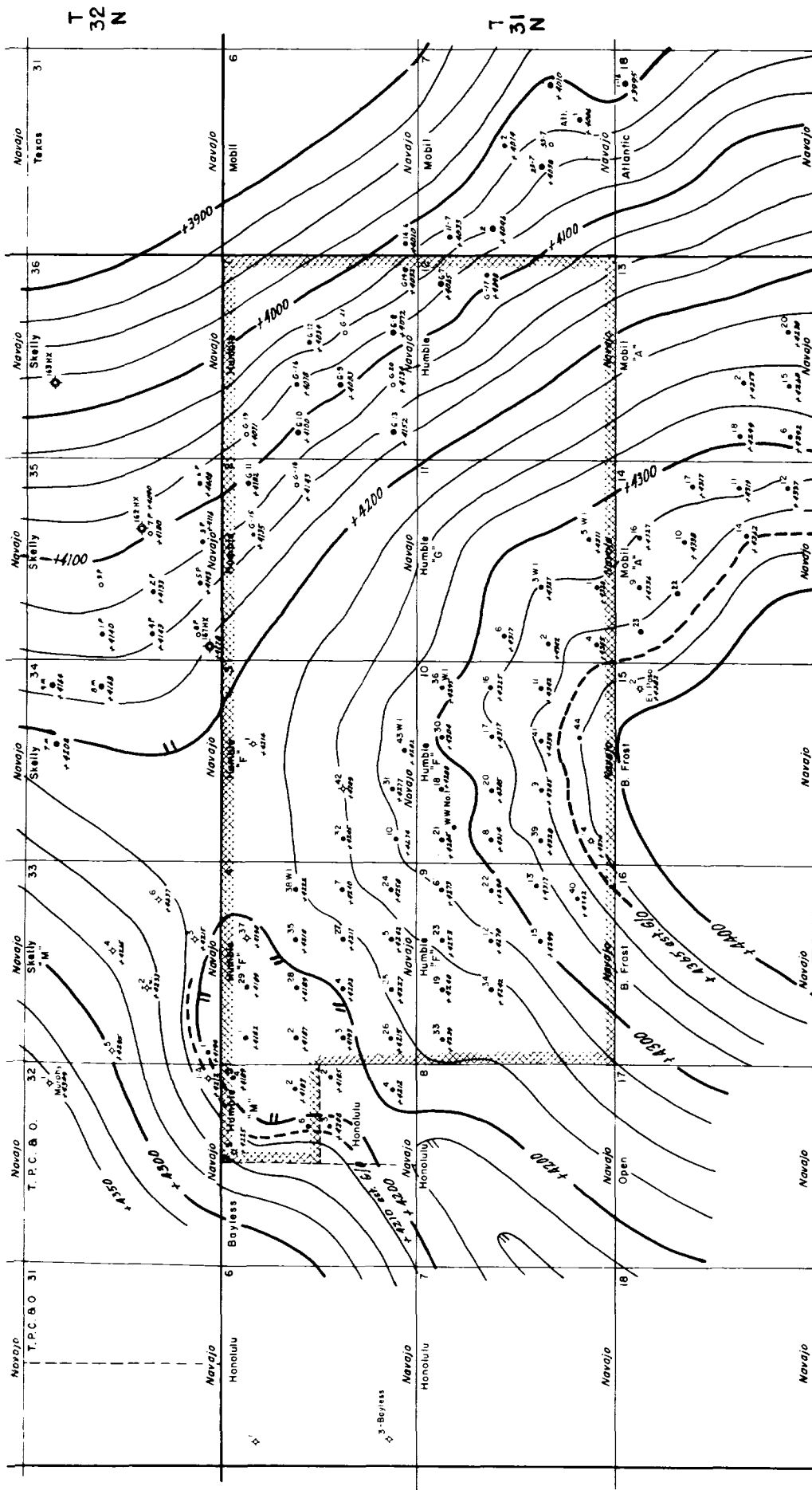
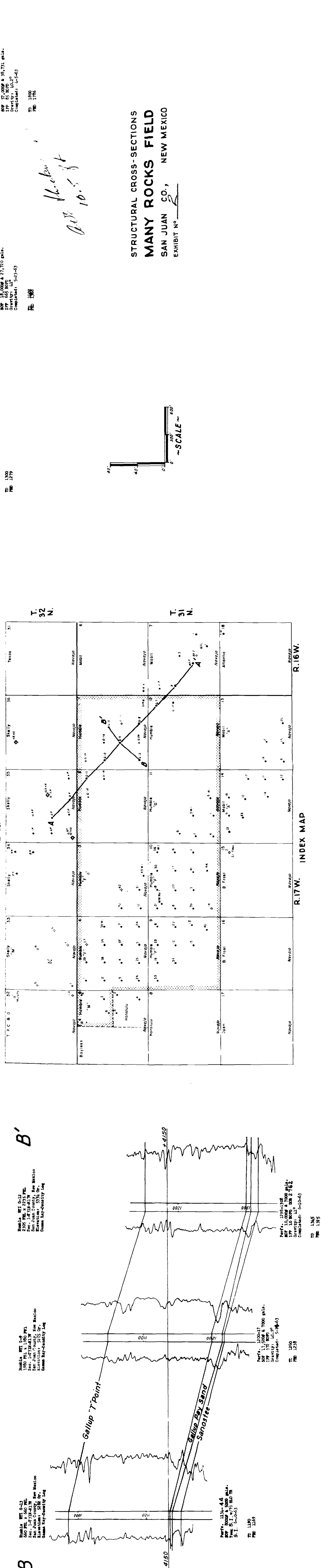
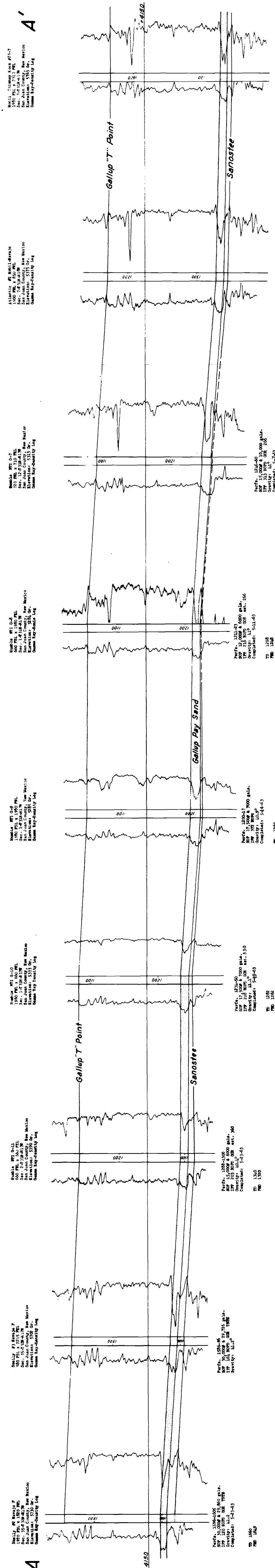




STRUCTURE MAP
MANY ROCKS
 &
HORSESHOE GALLUP FIELDS
 SAN JUAN CO., NEW MEXICO
 Exhibit No. —

LEGEND
 Contour Horizon - Top of Gallup Pay Sand
 Contour Interval - 25 Feet
 Outline of Humble Acreage
 SCALE
 0 2000 4000 6000 Feet



STRUCTURAL CROSS-SECTIONS
MANY ROCKS FIELD
 SAN JUAN CO., NEW MEXICO
 EXHIBIT No. 2

Handwritten:
 10.5 ft

EXHIBIT NUMBER 3

SCHLUMBERGER

FORMATION DENSITY LOG

Gamma-Gamma

Schlumberger Well Services Corporation

1963

COUNTY SAN JUAN, NEW MEX.

FIELD OF LOCATION UNDESIGNATED

WELL NAVAJO TRIBE G-16

COMPANY HUMBLE OIL & REF.

COMPANY HUMBLE OIL AND REFINING COMPANY

WELL NAVAJO TRIBE OF INDIANS G-16

FIELD UNDESIGNATED

COUNTY SAN JUAN STATE NEW MEXICO

Location: 1980' FNL & 1980' FWL

Other Services: NONE

Sec. 1 Twp. 31N Rge. 17W

Permanent Datum: G.L. Elev.: 5310'

Log Measured From G.L. 0 Ft. Above Perm. Datum

Drilling Measured From G.L. Elev.: K.B. --

D.F. --

G.I. 5310'

Date 6-25-63

Run No. ONE

Type Log FORMATION DENSITY - GAMMA RAY

Depth-Driller 1303

Depth-Logger 1302

Bottom logged interval 1301

Top logged interval 100

Type fluid in hole OIL EMULSION

Salinity, PPM Cl. --

Density 9.5

Level FULL

Max rec. temp, deg F. --

Operating rig time 2 HOURS

Recorded by DILLI

Witnessed by MR. SLADE

RUN No. 1

Bit 5 1/4

From CSG

To T.D.

Size 7"

Wgt. --

CASING RECORD

From SURFACE

To 31'

EQUIPMENT DATA

General

Run No. ONE

Moist. Truck No. 3520 FARM

Instr. Truck No. 3520 FARM

Test Serial No. --

Location FARMINGTON

Gamma-Gamma

Run No. ONE

Tool Model No. PGT-C

Diameter 4 1/4"

Det'r Model No. PGD-68

Type SCINTILLATION

LOGGING DATA

Gamma Ray

Zero Div. R of Standard Div. 153 CPS

Zero of Track II 290

Sens. Settings 300

T.C. Sec. 2

API Units per Log Div. 16

Gamma-Gamma

Run No. 1

From 100

To T.D.

Speed Ft. Min. 30

General

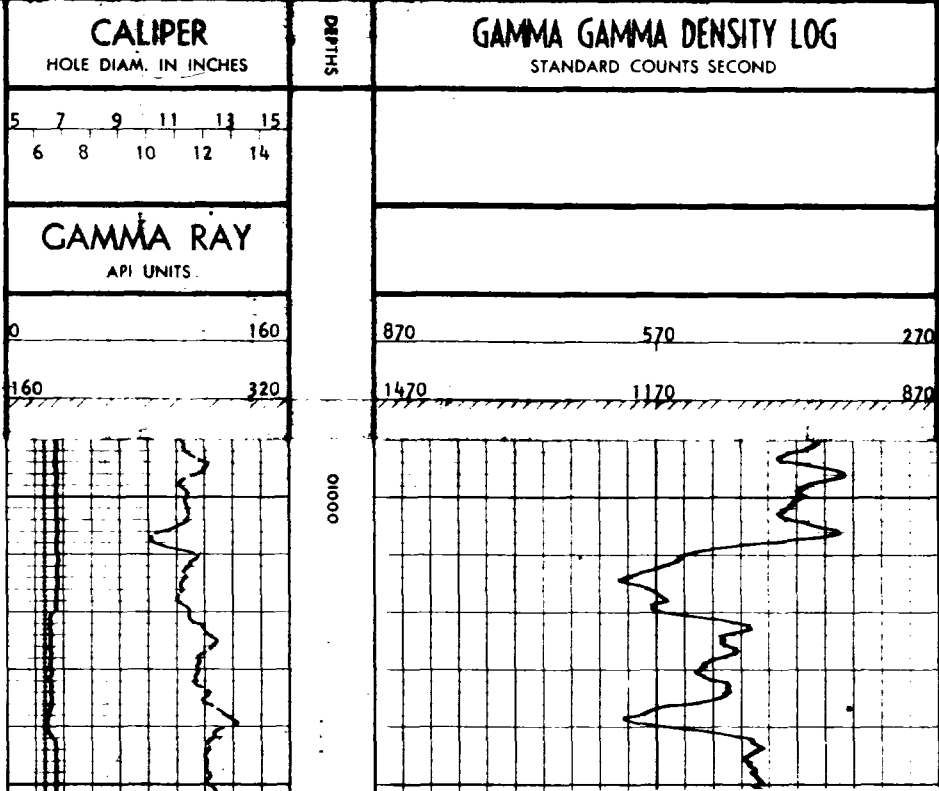
Depth: To

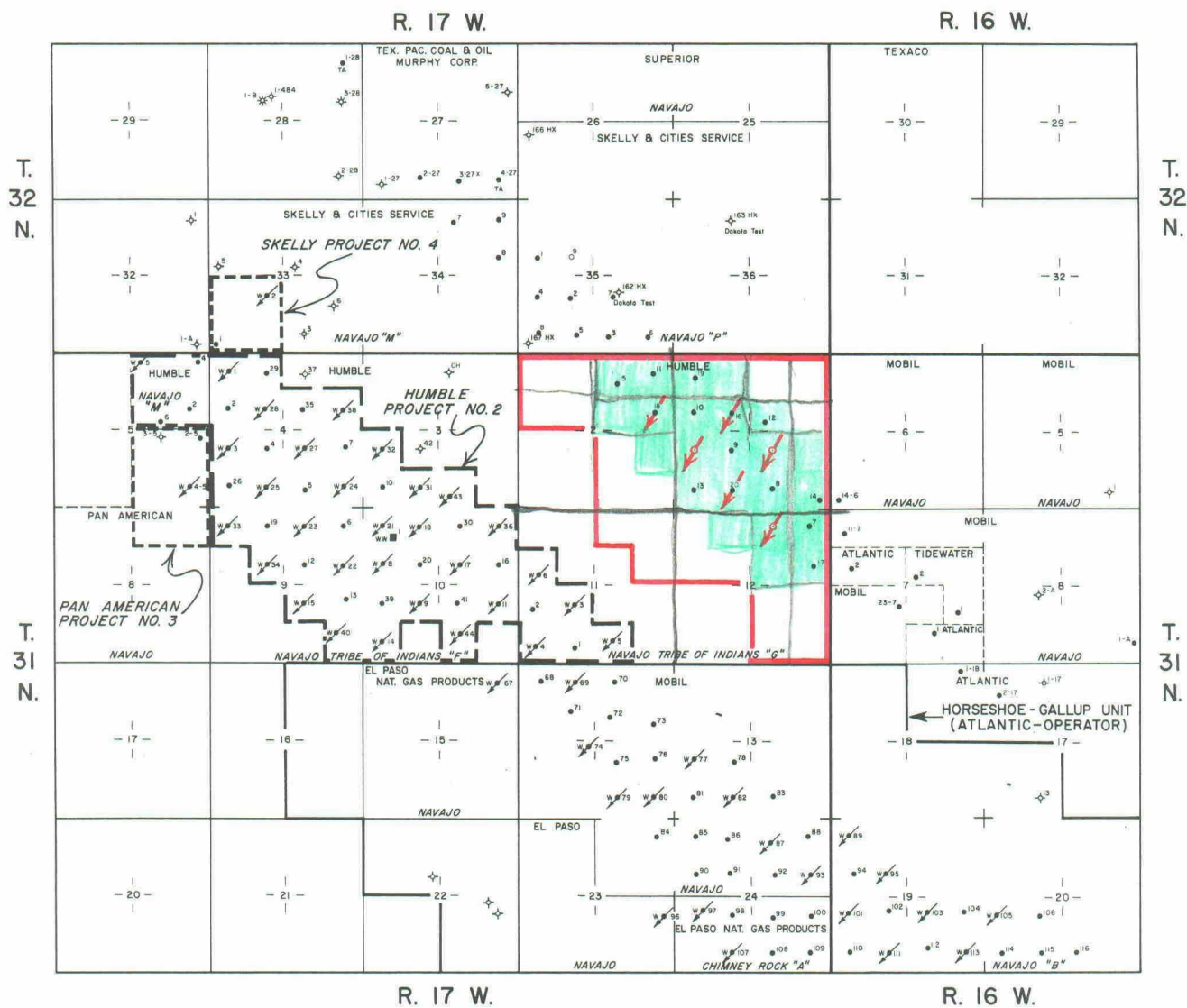
From

100

T.D.

Remarks: *PGS-67C
PGD-68C
PGH-66A
GGS-85D
SFBI-66
GMC-9





LEGEND

- Gallup Formation Producer
- / Current Gallup Injection Well
- Morrison Formation Water Source Well
- Drilling Well
- Proposed Gallup Injection Well - Completed
- Proposed Gallup Injection Well - To Be Drilled
- Project Area - Proposed

HUMBLE OIL & REFINING COMPANY

HORSESHOE & MANY ROCKS FIELDS

SAN JUAN COUNTY, NEW MEXICO

EXHIBIT NUMBER 4

PROPOSED WATER INJECTION METHOD

Humble Oil & Refining Company Pressure Maintenance Project
Many Rocks Field, Section 1, 2 and 12-T31N-R17W
San Juan County, New Mexico

Note: All depths and measurements
based on Humble Navajo G-16
Well.

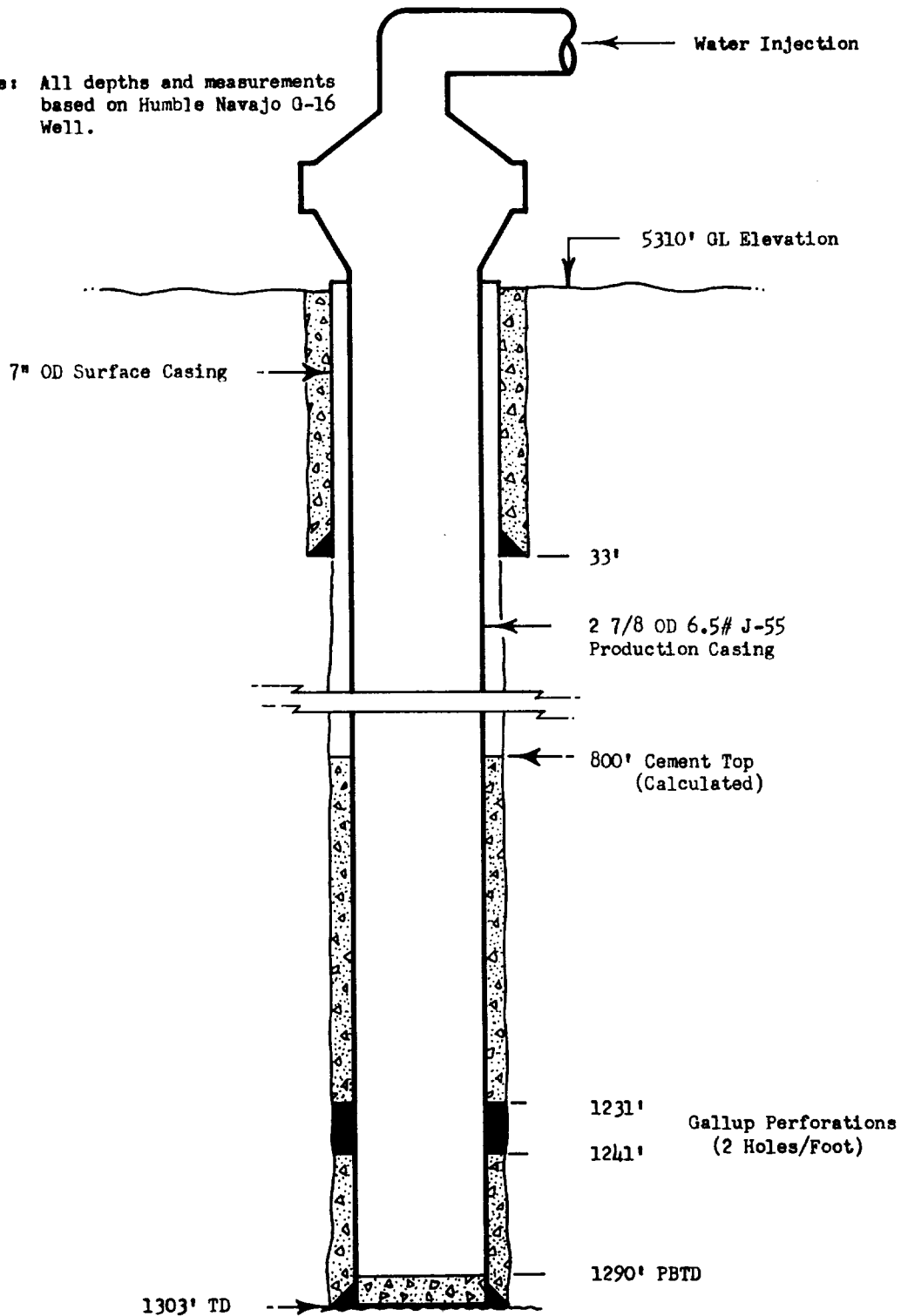


EXHIBIT NUMBER _____

WELL STATUS - PRODUCTION DATA
HUMBLE OIL & REFINING COMPANY
MANY ROCKS FIELD, SAN JUAN COUNTY, NEW MEXICO

Lease & Well	Total Depth (Ft)	Production Size (In)	Casing Depth Set(Ft)	Est. Top Cement (Ft)	Perforated Interval(Ft)	Completion Date	Initial Potential		Production-June, 1963		Cumulative		July-1963 Allowable Bbls/Day	Waterflood Well-Status
							Barrels Oil/Day	GOR Cu.Ft./Bbl.	Barrels Oil/Day	GOR Cu.Ft./Bbl	Oil Prod. to 7/1/63 Bbls			
Humble Navajo Tribe of Indians														
G-7	1300	4 1/2	1299	753	1246 - 60	5-7-63	313	266	57	438	3820		70	Prod.
G-8	1268	4 1/2	1268	726	1211 - 23	5-11-63	217	266 (est)	57	506	3750		70	Prod.
G-9	1260	4 1/2	1260	830 (1)	1200 - 17	5-14-63	372	266 (est)	57	267	3400		70	Prod.
G-10	1282	4 1/2	1282	789	1234 - 50	5-19-63	208	350 (est)	57	96	3027		70	Prod.
G-11	1340	4 1/2	1340	798	1288 - 1300	5-23-63	203	360 (est)	69	197	2835		70	Prod.
G-12	1345	4 1/2	1345	803	1298 - 1308	6-10-63	10	2762	9	7286	266		10	Prod.
G-13	1190	4 1/2	1190	648	1134 - 44	6-10-63	Shut-in (2)			-	-		0	Prod.
G-14	1324	4 1/2	1324	103	1271 - 80	6-16-63	95	360 (est)	39	430	1171		70	Prod.
G-15	1350	4 1/2	1350	129	1294 - 1306	5-23-63	170	360 (est)	21	558	622		70	Prod.(3)
G-16	1303	2 7/8	1303	668	1231 - 41	7-8-63	219	360 (est)	-	-	-		70	Inf.
G-17	1305	4 1/2	1305	636	1245 - 53	7-16-63	38	360 (est)	-	-	-		38	Prod.(3)
G-18	1275	2 7/8	1275	640	1213 - 20		Testing for Completion							Inf.
G-19	1330	4 1/2	1330	661	1284 - 91		Testing for Completion							Prod.
G-20	1213	4 1/2	1213	543	1132 - 59		Testing for Completion							Inf.

(1) Survey

(2) Load oil not recovered. Tested 1 BOD
6-10-63 and temporarily shut-in.

(3) Probable conversion to injection for
lease line compensation.

EXHIBIT NUMBER 6

PRODUCTION STATISTICS

HUMBLE OIL & REFINING COMPANY PRESSURE MAINTENANCE PROJECT

HORSESHOE-GALLUP OIL POOL

SECTIONS 3,4,5,9,10 & 11 - T 31N - R17 W
SAN JUAN COUNTY, NEW MEXICO

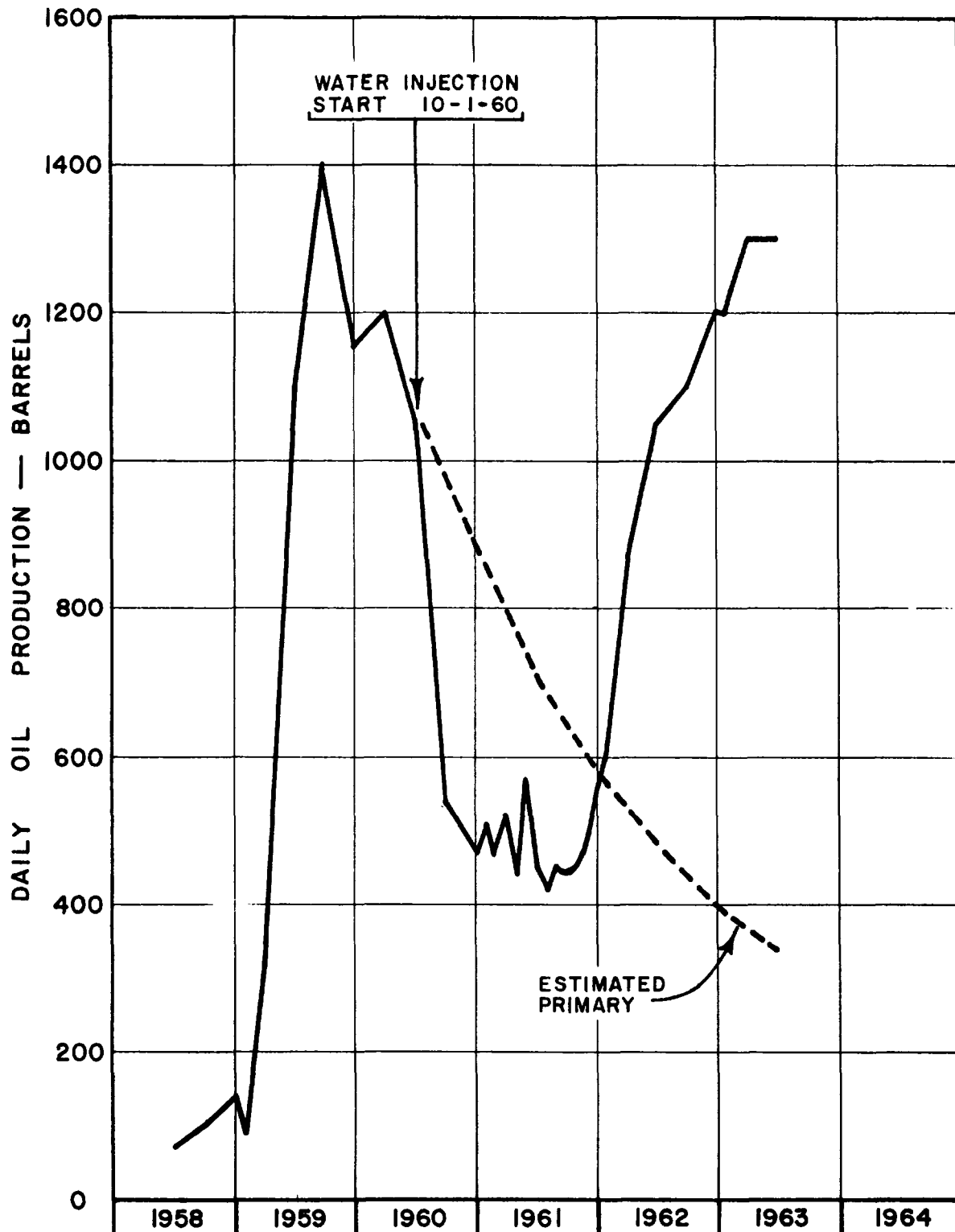


EXHIBIT NUMBER 7