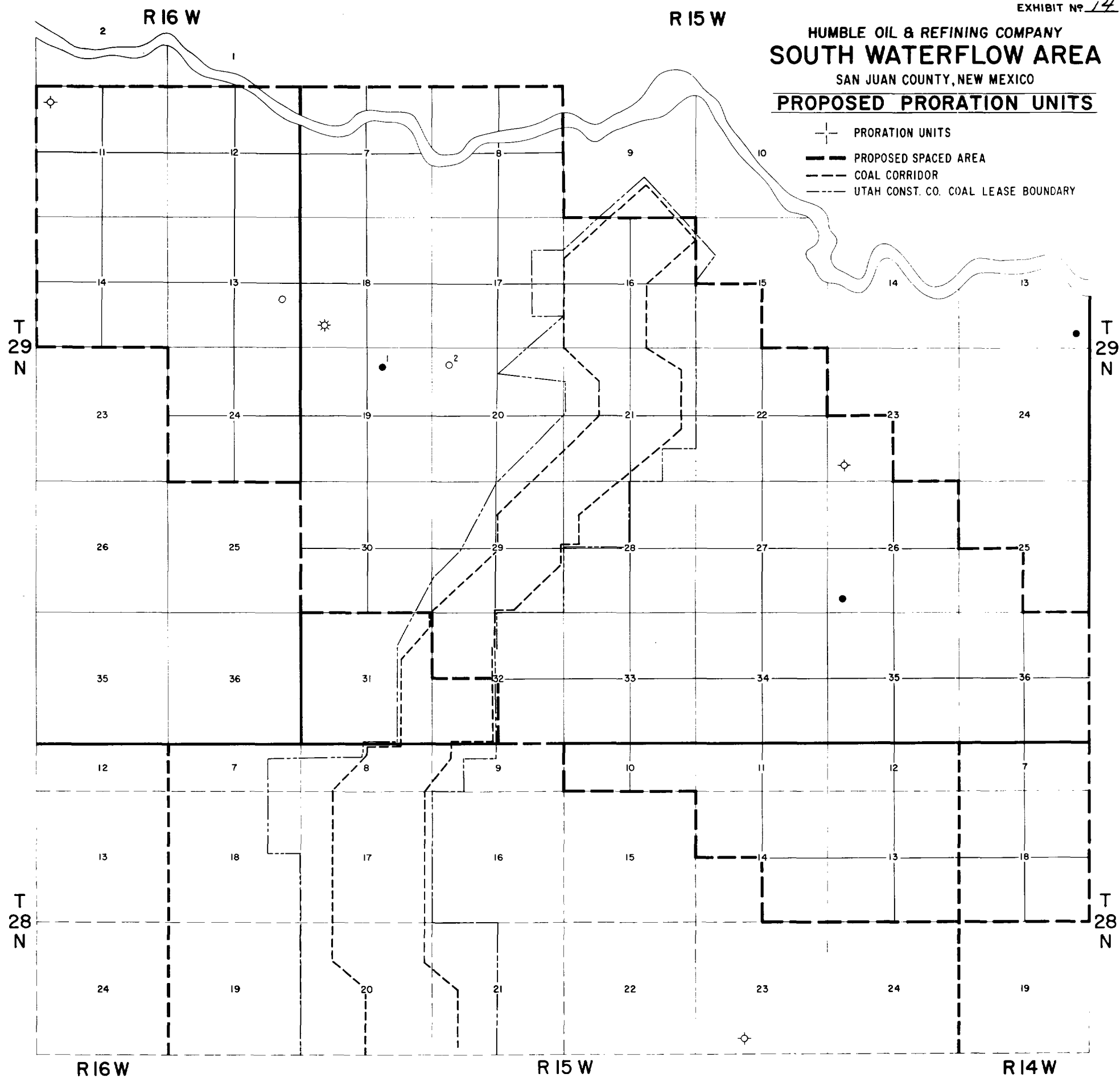


**HUMBLE OIL & REFINING COMPANY
SOUTH WATERFLOW AREA**

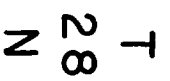
SAN JUAN COUNTY, NEW MEXICO

PROPOSED PRORATION UNITS

- ✚ PRORATION UNITS
- PROPOSED SPACED AREA
- - - COAL CORRIDOR
- - - UTAH CONST. CO. COAL LEASE BOUNDARY



HUMBLE OIL & REFINING COMPANY



HUMBLE OIL & REFINING COMPANY
STRUCTURAL CROSS-SECTION

SOUTH WATERFLOW AREA
SAN JUAN COUNTY, NEW MEXICO

HUMBLE OIL, PURE OIL
and SUN OIL COMPANIES
NAVAJO TRACT 2 N^o 1
990' FSL. & 983' FWL
Sec. 18 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5349'
INDUCTION - ELECTRIC LOG

HUMBLE OIL N^o 1 - NAVAJO TRACT N^o 12
NW of NE
Sec. 19 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5441'
INDUCTION - ELECTRIC LOG

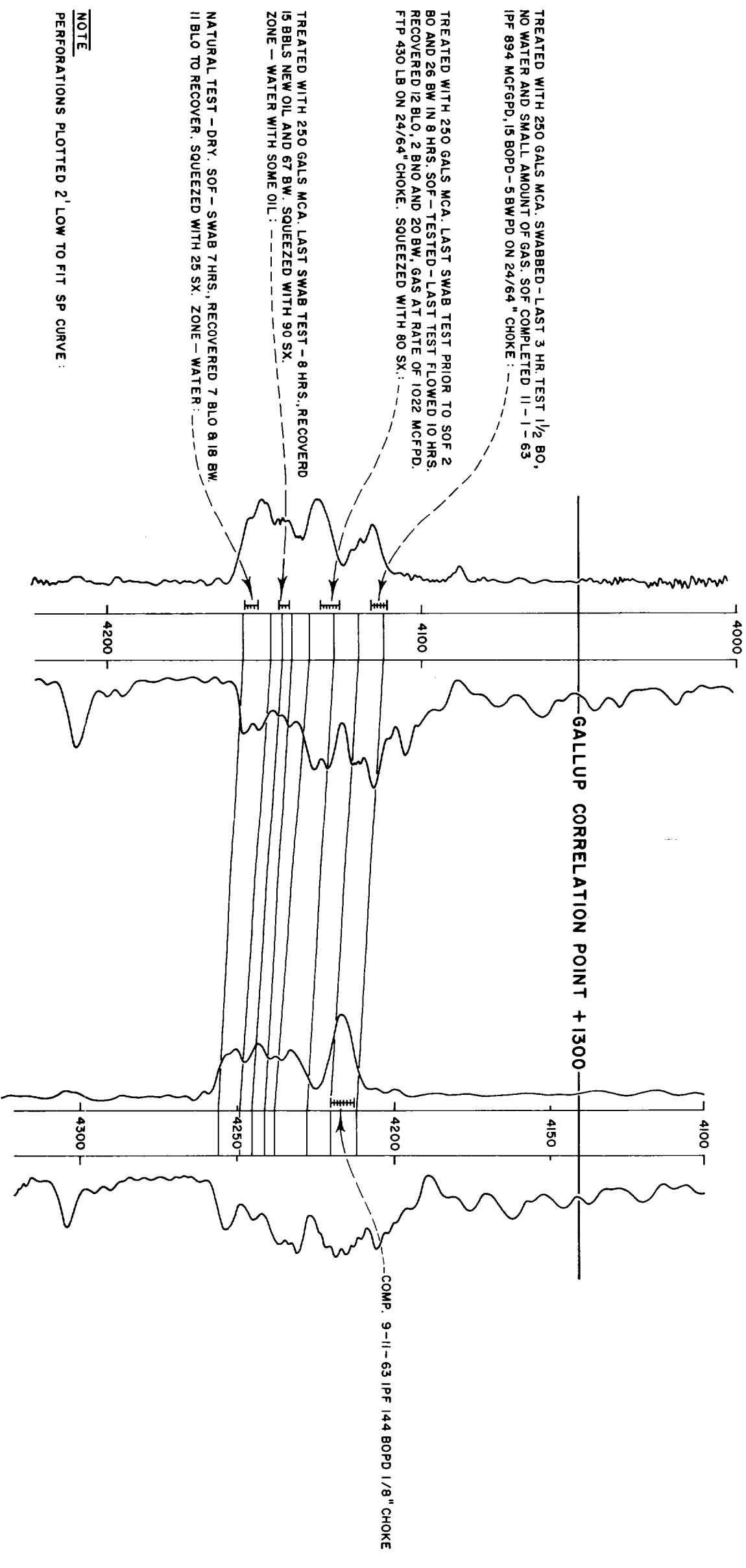


EXHIBIT No. 6

HUMBLE OIL & REFINING COMPANY
HUMBLE NAVAJO TRACT 2 No. 1

SW of SW

Sec. 18 - T29N-R15W

SAN JUAN COUNTY, NEW MEXICO

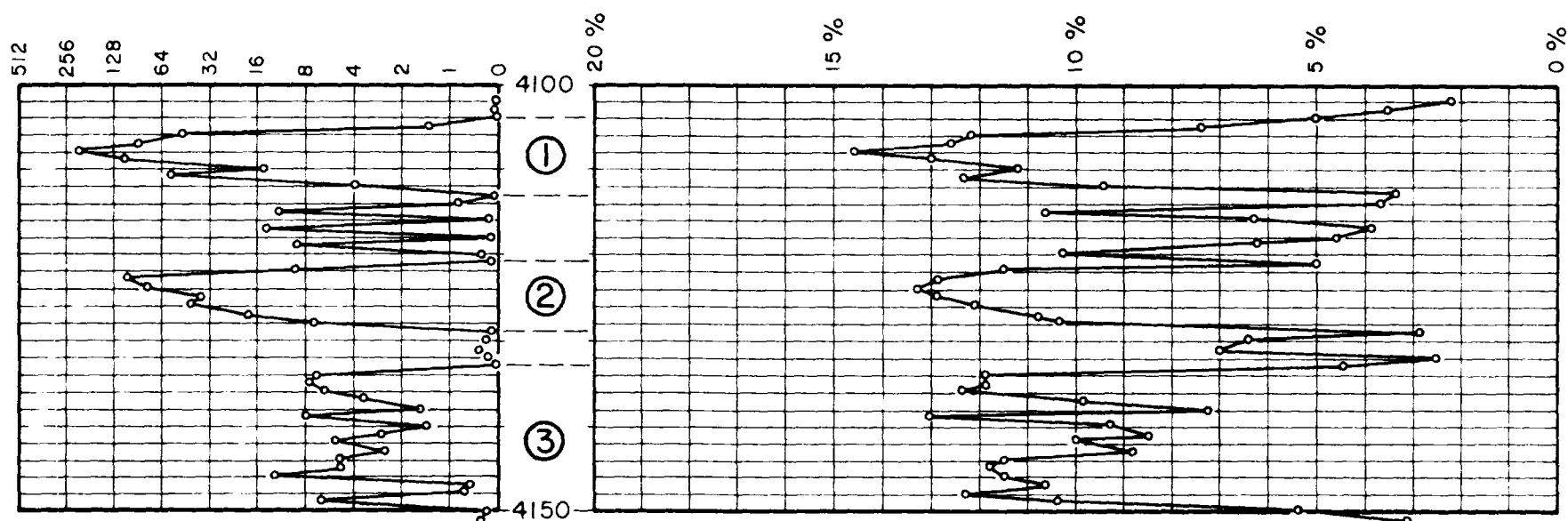
ELEVATION: K.B. 5349'

CORE ANALYSIS

GALLUP SAND INTERVAL

PERMEABILITY

CORE POROSITY %



AVERAGE

	<u>PERM - Md</u>	<u>POROSITY - %</u>
①	70.2	11.7
②	42.4	12.0
③	5.6	10.9
ALL ZONES	34.3	11.4

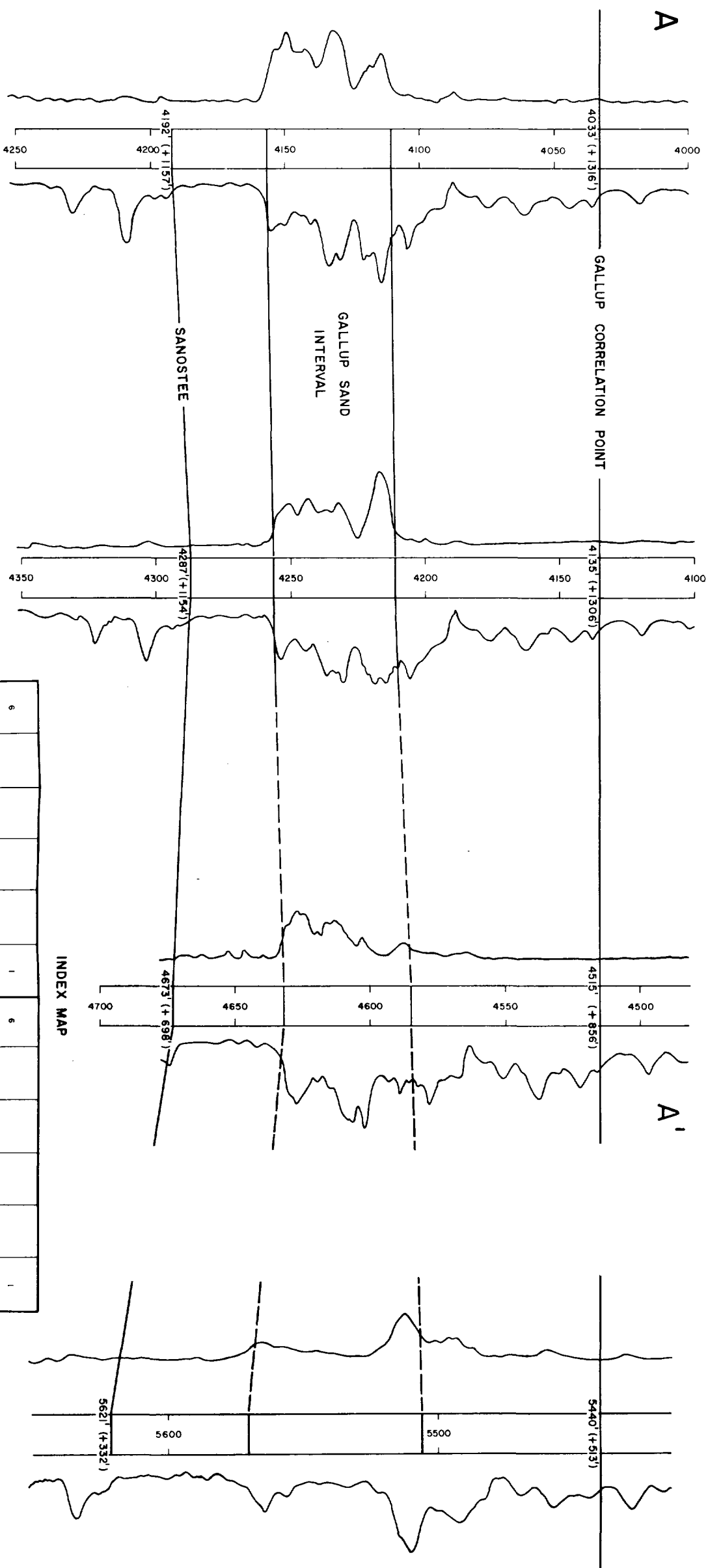
EXHIBIT No. 4
STRATIGRAPHIC CROSS-SECTION
SOUTH WATERFLOW-CHA CHA AREA
SAN JUAN COUNTY, NEW MEXICO

HUMBLE OIL, PURE OIL
and SUN OIL COMPANIES
NAVAJO TRACT 2 #1
990' FSL. B. 983' FWL
Sec. 18-T29N-R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5349'
INDUCTION-ELECTRIC LOG

HUMBLE OIL #1 - NAVAJO TRACT #12
NW of NE
Sec. 19-T29N-R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5441'
INDUCTION-ELECTRIC LOG

JAMES R. PICKETT #1
FRUITLAND AMARILLO #1
560' FSL. B. 595' FWL
Sec. 26-T29N-R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5372'
INDUCTION-ELECTRIC LOG

CHA CHA POOL
HUMBLE OIL #L-7
NAVAJO TRIBE of INDIANS
SW of NE
Sec. 35-T29N-R14W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION: K.B. 5953'
INDUCTION-ELECTRIC LOG



INDEX MAP

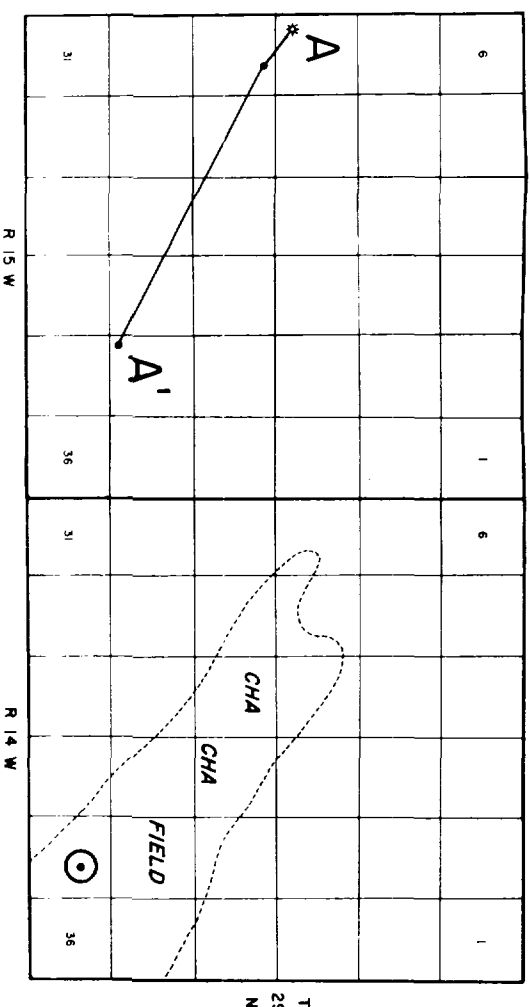


EXHIBIT No. —
STRATIGRAPHIC CROSS-SECTION
SOUTH WATERFLOW AREA
SAN JUAN COUNTY, NEW MEXICO

HUMBLE OIL, PURE OIL
AND SUN OIL COMPANIES
NAVAJO TRACT 120 N¹
660' FSL. @ 1980' FSL
Sec. 13 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5326'
INDUCTION - ELECTRIC LOG

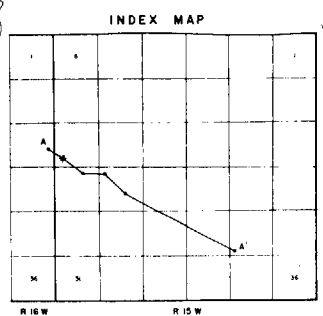
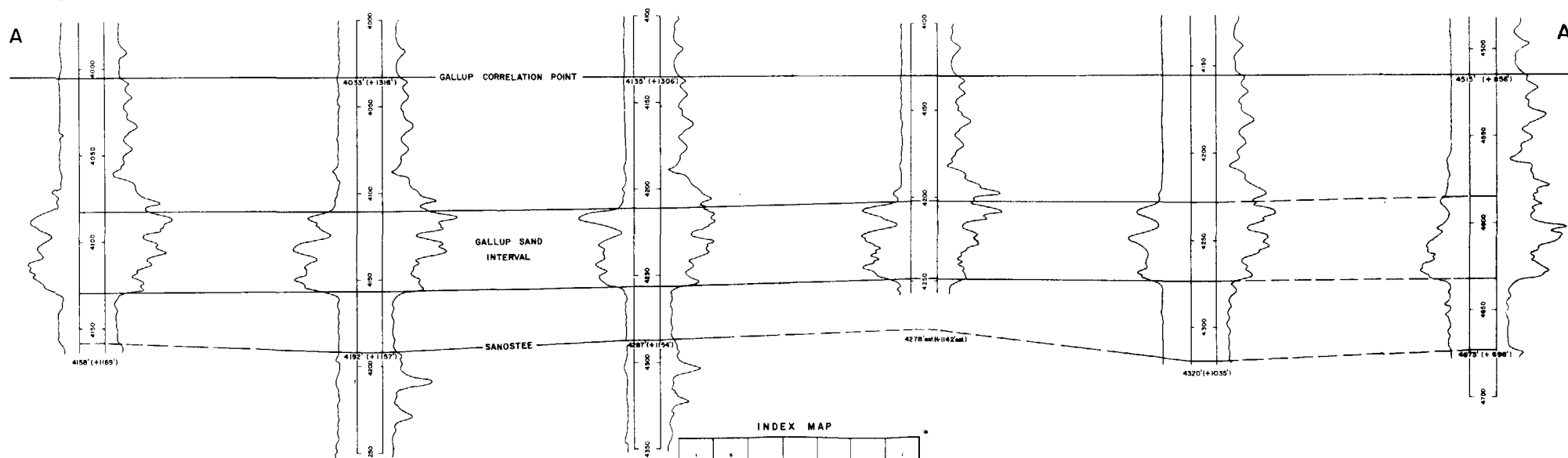
HUMBLE OIL, PURE OIL
AND SUN OIL COMPANIES
NAVAJO TRACT 2 N¹
990' FSL. @ 983' FSL
Sec. 18 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5349'
INDUCTION - ELECTRIC LOG

HUMBLE OIL, PURE OIL
AND SUN OIL COMPANIES
NAVAJO TRACT 12 N¹
NW of NE
Sec. 19 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5441'
INDUCTION - ELECTRIC LOG

HUMBLE OIL & REFINING COMPANY
NAVAJO TRACT 12 WELL N¹ 2
UNDESIGNATED GALLUP
660' FSL. @ 660' FSL
Sec. 20 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5420'
INDUCTION - ELECTRIC LOG

HUMBLE OIL & REFINING COMPANY
NAVAJO TRACT 12 WELL N¹ 4
SOUTH WATERFLOW
1980' FSL. @ 1980' FSL
Sec. 20 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5355'
INDUCTION - ELECTRIC LOG

JAMES R. PICKETT
FRUITLAND AMARILLO N¹
560' FSL. @ 555' FSL
Sec. 26 - T29N - R15W
SAN JUAN COUNTY, NEW MEXICO
ELEVATION K.B. 5372'
INDUCTION - ELECTRIC LOG



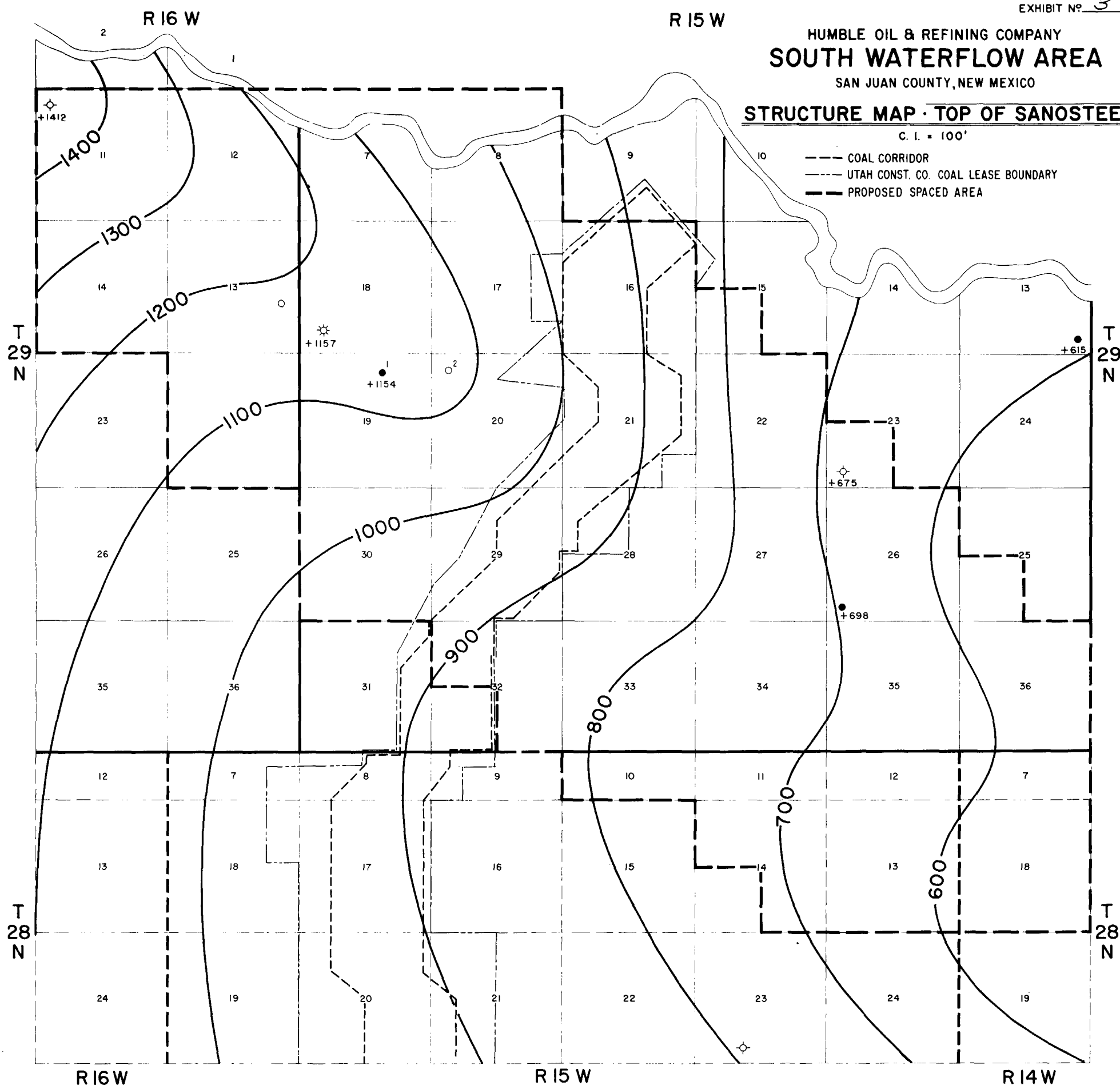
HUMBLE OIL & REFINING COMPANY
SOUTH WATERFLOW AREA

SAN JUAN COUNTY, NEW MEXICO

STRUCTURE MAP · TOP OF SANOSTEE

C. I. = 100'

- COAL CORRIDOR
--- UTAH CONST. CO. COAL LEASE BOUNDARY
--- PROPOSED SPACED AREA



R 16 W

R 15 W

HUMBLE OIL & REFINING COMPANY
SOUTH WATERFLOW AREA
SAN JUAN COUNTY, NEW MEXICO

LEASE OWNERSHIP MAP

..... OPERATING AGREEMENT AREA
--- PROPOSED SPACED AREA

T 29 N

T 29 N

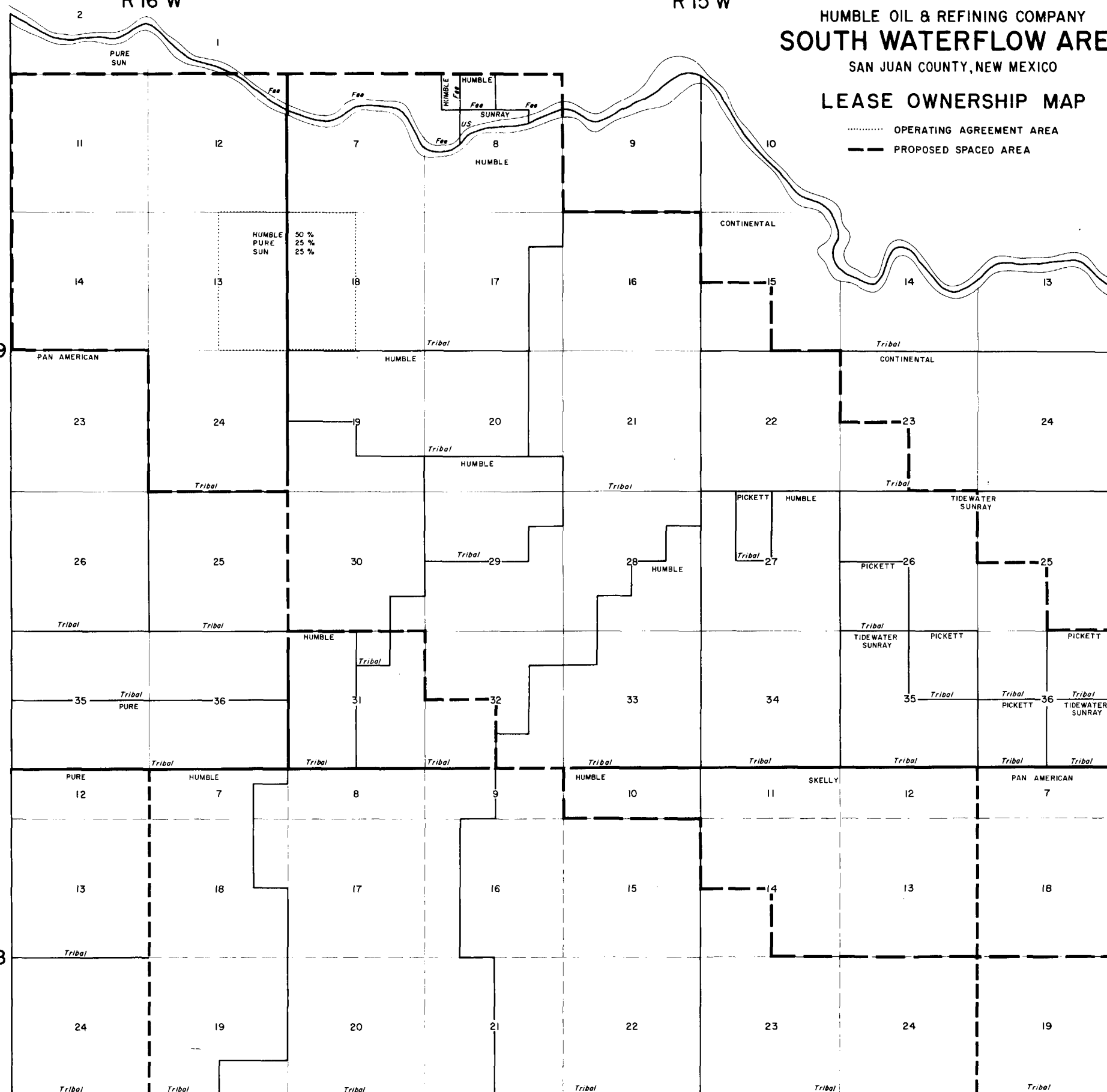
T 28 N

T 28 N

R 16 W

R 15 W

R 14 W

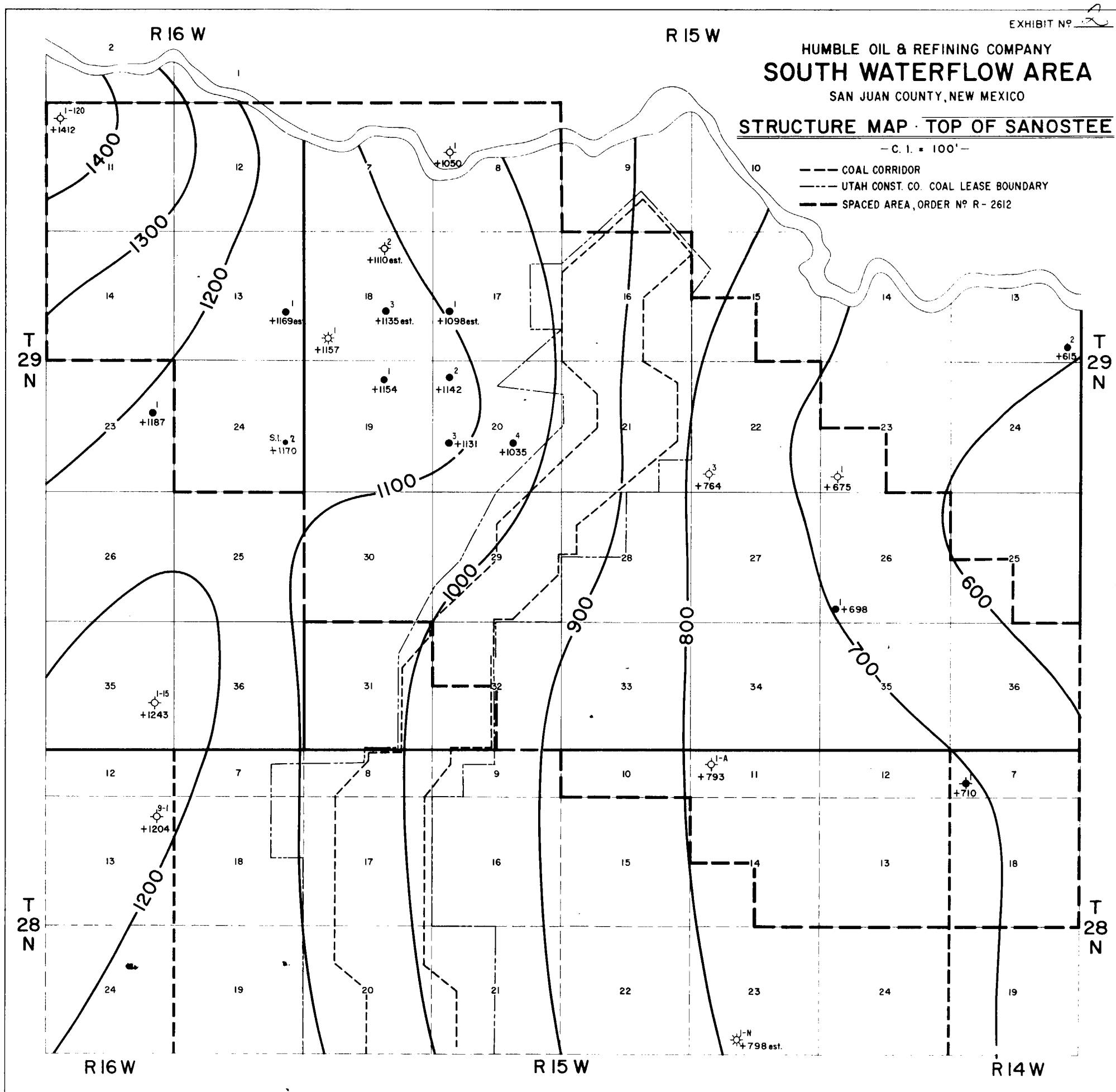


HUMBLE OIL & REFINING COMPANY
SOUTH WATERFLOW AREA
 SAN JUAN COUNTY, NEW MEXICO

STRUCTURE MAP · TOP OF SANOSTEE

— C. I. = 100' —

- COAL CORRIDOR
- UTAH CONST. CO. COAL LEASE BOUNDARY
- SPACED AREA, ORDER NO R-2612



HUMBLE OIL & REFINING COMPANY SOUTH WATERFLOW AREA SAN JUAN COUNTY, NEW MEXICO

LEASE OWNERSHIP MAP

- OPERATING AGREEMENT AREA
 --- SPACED AREA, ORDER N° R-2612
 ● 12,000 CUMULATIVE OIL TO 12-1-64, Bbls.
 40/3 OIL & WATER, NOV 1964 - Bbls/Day

