Case No
4664-
4665

Large Exhibits

U.S.N.G.P. MICROGRAPHICS
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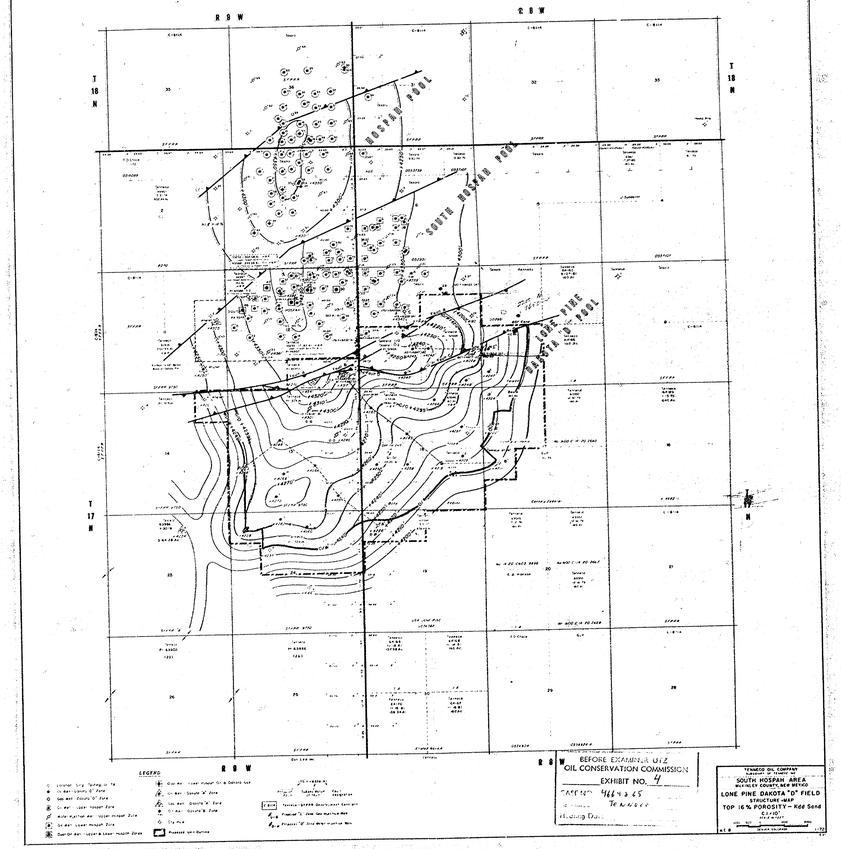

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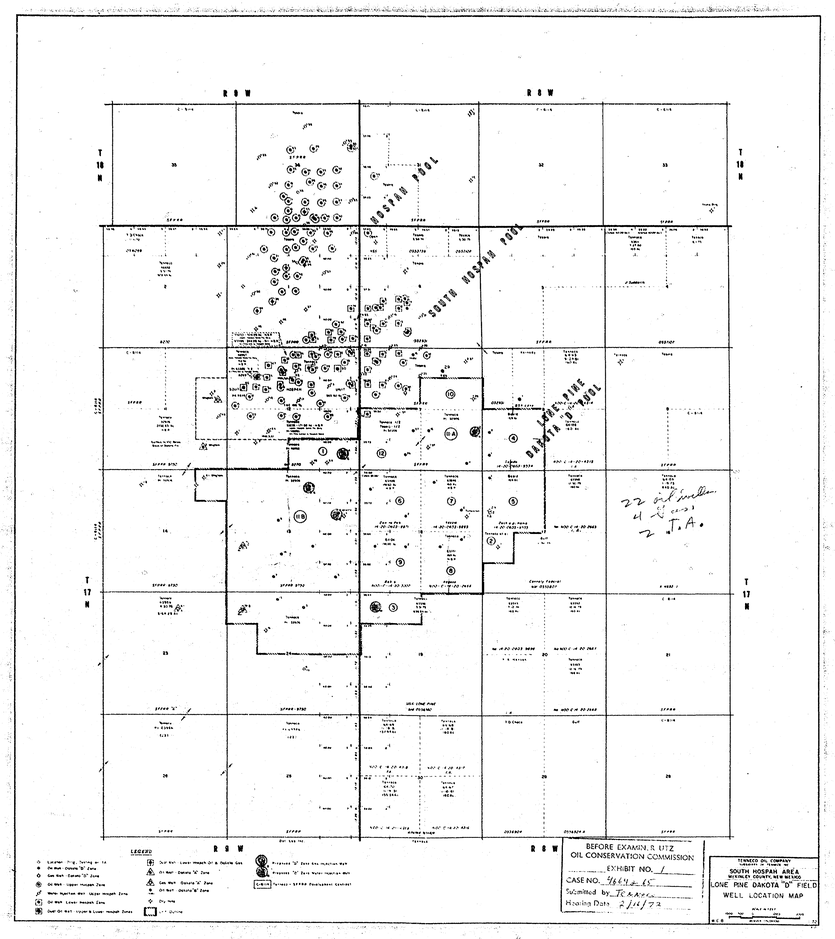

V.A.M.C.F. MICROGRAPHICS
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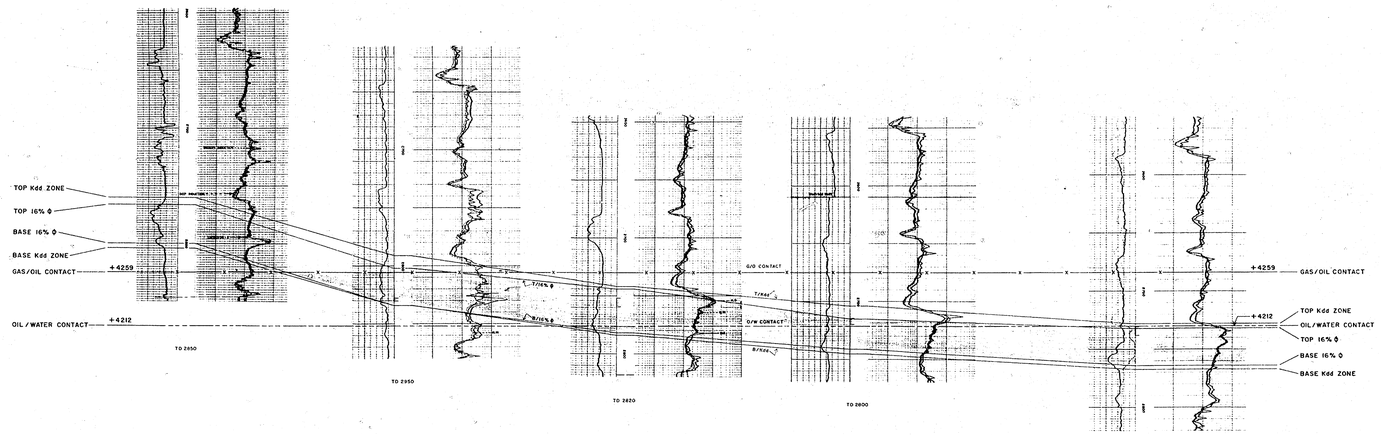
B — NW

TENNECO HOSPAH #44 SEC 12,T17N-R9W KB +7085	TENNECO DON NE PAH #1 SEC 18,T17N-R8W KB +7065	TENNECO DON NE PAH #2 SEC 18,T17N-R8W KB +6989	TENNECO KAGOSO #1 SEC 18,T17N-R8W KB +6934	TENNECO CONNELLY-FEDERAL #1 SEC 17,T17N-R8W KB +6942
○	●	●	●	⊹

B' — SE



FEET
40
20
0 200' 400'
FEET

NEW MEXICO OIL CONSERVATION COMMISSION
Exhibit No. 6
Case No. 4647 & 65
Submitted by: TENNECO
Hearing Date

FIGURE 14
TENNECO OIL COMPANY
SOUTH HOSPAH AREA
MCKINLEY COUNTY, NEW MEXICO
LONE PINE DAKOTA "D" FIELD
STRUCTURAL
CROSS SECTION
B-B'

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EXHIBIT (C)

SCHLUMBERGER

COMPENSATED FORMATION DENSITY LOG

COMPANY TENNECO OIL COMPANY

WELL DON NE PAH #1

FIELD HOSPAH

COUNTY MC KINLEY STATE NEW MEXICO

Location: 820' FNL 500' FWL

Sec. 18 Twp. 17N Rge. 8W

Other Services: OIL PHL, BHC/GR

Permanent Datum: GL ; Elev.: 7051
Log Measured From: KB , 11 Ft. Above Perm. Datum
Drilling Measured From: KB

Elev.: K.B. 7062
D.F. 7061
G.L. 7051

Date	6/3/70
Run No.	ONE
Type Log	FDC/GR
Depth—Driller	2950
Depth—Logger	2945
Bottom logged interval	2944
Top logged interval	74
Type fluid in hole	FGH
Salinity, PPM Cl.	—
Density	9.7
Level	FULL
Max rec. temp., deg F.	114
Operating rig time	2 HRS.
Recorded by	KOSEN
Witnessed by	MR. JOHNSTON

TIGHT HOLE

RUN No.	Bit No.	BORE-HOLE RECORD From	To	Size	Wgt.	CASING RECORD From	To
1	7 7/8	CSG	TD	8 5/8	24	SURF	74

The well name, location and service reference data were furnished by the customer.

All interpretations or opinions based on information furnished by customer or other companies and all reports shall be for the exclusive assistance of the customer and shall not, except to the extent of gross or willful negligence on our part, be binding or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions set out in our current Price Schedules.

6-09-17DFM0078B1C

Run No. 1 — Date 6/3/70

	Depth	Bit Size	Type Fluid	Density	Visc.	pH	Fluid Loss	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Source Rmf / Rmc	Rm @ BHT	Time Since Circ.	Max. Rec. Temp. Deg. F.	Equip. No.	Location
Run No. 1	2950	7 7/8	FGH	9.7	45	10.5	8.8	FLOWLINE	.190 @ 74	.147 @ 74	.220 @ 74	MEAS	.120 @ 114	2 HRS.	114	2375	FARM
2																	
3																	

CALIBRATION DATA

	Run No.	Depth	Gamma Ray	Scale
Before Log	1	2947-0	190	0-200
After Log	1	85-0	180	0-200
Gamma Ray	Run No.	Depth	Scale	
Before Log	1	2947-0	0-200	
After Log	1	85-0	80	

LOGGING DATA

	Run No.	Depth From	Depth To	Speed Feet/Hr.	Time Const.	API Scale
General	1	650	TD	30	2	0-200

MUD DATA

Run No.	Kind	% Oil by Vol.	% Water by Vol.	Viscosity	Sec/Qt.	Fluid Loss	Sample Source
1	FGH					8.8	FLOWLINE
2							
3							

% Solids by Vol.: @ @ @

Remarks: W.I. #07881

FDC Detectors

Run No.	Gamma Ray	Neutron	Density
1	275	L10	2.65
2			
3			

Liquid Density: 1.0

Shale ex. Sa. Cr.: 1 2 3

6-09-17DFM0078B1C

SANDSTONE POROSITY — % 45 2.0 0
GRAIN DENSITY 2.65 GRAMS/CC 2.0 2.65 3.0
CORRECTION GRAMS/CC

BULK DENSITY GRAMS/CC 3.0 2.5 2.0 1.5 1.0

DEPTHS 0100 0200 0300 0400 0500 0600 0700

CALIPER HOLE DIAM. IN INCHES 6 7 8 9 10 11 12 13 14 15 16

GAMMA RAY API UNITS 0 200 599 599

Point Lookout 5067 (+1983)

Mancos 7161 (-109)

U.S.N.M.G.F. MICROGRAPHICS

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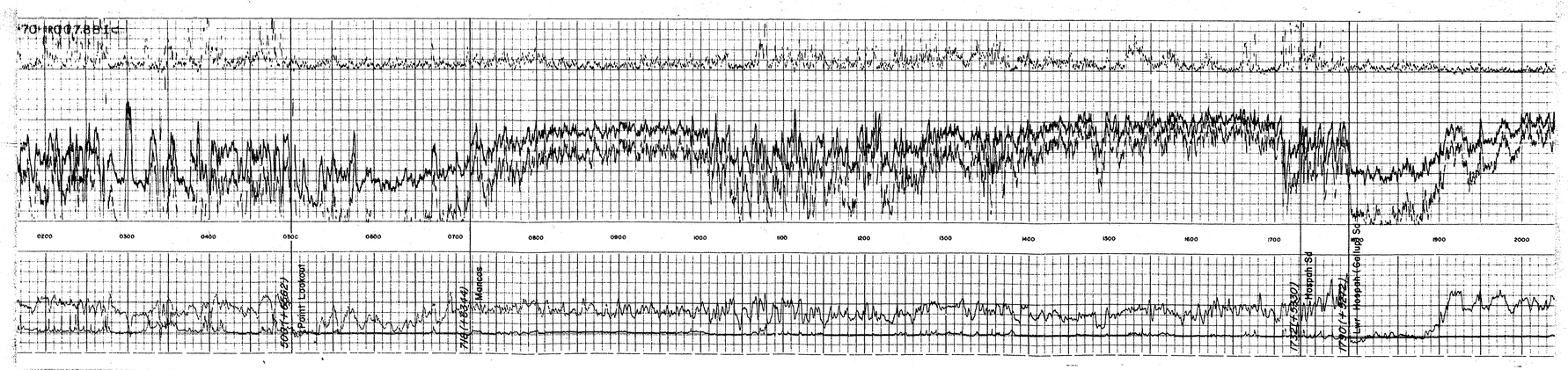

U.S.N.M.C.F. MICROGRAPHICS

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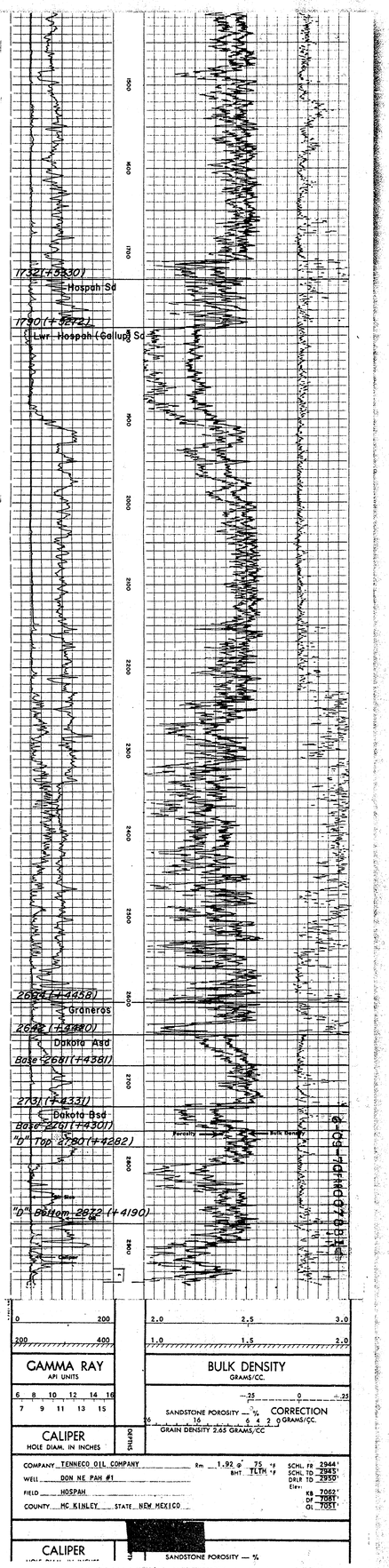
1732 (+5330)
Hospah Sd
1790 (+5272)
Lwr. Hospah (Gallup) Sd
2694 (+4458)
Graneros
2742 (+4380)
Dakota Aud
Base 2681 (+4381)
2731 (+4331)
Dakota Bsd
Base 2761 (+4301)
"D" Top 2780 (+4282)
"D" Bottom 2872 (+4190)
Caliper
Porosity
Bulk Density
0 200
200 400
GAMMA RAY
API UNITS
6 8 10 12 14 16
7 9 11 13 14
CALIPER
HOLE DIAM. IN INCHES
2.0 2.5 3.0
1.0 1.5 2.0
BULK DENSITY
GRAMS/CC
.25 0 .25
SANDSTONE POROSITY — %
16 8 4 2 0
CORRECTION
GRAMS/CC.
GRAIN DENSITY 2.65 GRAMS/CC
COMPANY TENNECO OIL COMPANY
WELL DON NE PAN #1
FIELD HOSPAH
COUNTY MC KINLEY STATE NEW MEXICO
Rm 1.92 @ 75 °F
BHT TEMP °F
SCHL FB 2944'
SCHL TD 2951'
DRLR TD 2950'
Elev.
KB 7065'
DF 7063'
GL 7051'
CALIPER
SANDSTONE POROSITY — %

N.M.O.C.C. MICROGRAPHICS
BEST AVAILABLE COPY