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Woodward-Clyde Consultants

October 23, 1984

PBP-WCC-MS-3456
17501B-2023-3122.2

Mr. R. Johnson
U.S. Nuclear Regulatory Commission
MS-623-22
Washington, DC 20555

Dear Mr. Johnson:

At the request of Battelle Project Management Division, Office of Nuclear Waste Isolation, we are enclosing two sets of borehole ^{and} geo-physical logs that were used in the preparation of the draft topical report entitled "Stratigraphic and Structural Configuration of the Navajo (Jurassic) through Quray (Mississippian-Devonian) Formations in the Vicinity of Davis and Lavender Canyons, Southeastern Utah." One set of these logs is on vellum and may be used to make additional blue line copies of the logs, if you desire.

We use a service (MJ Systems) that supplies us with logs of the region and monthly updates of new logs run in the area. All of these logs are supplied on microfiche to us. The paper copies you are receiving have been copied from the microfiche. The number at the top of each log corresponds to the number shown on the attached map. A list of the logs supplied is also attached. We hope the logs prove useful to you in your review.

Very truly yours,

Terry A. Grant

Terry A. Grant
Project Manager

TAG/gh

Enclosures

xc: S. Nelson (ONWI)
B. Archer (ONWI)

WM Record File

106

WM Project *16*

Docket No. _____

PDR ☒

LPDR ☒

Distribution:

R. Johnson

Linehan

(Return to WM, 623-SS)

56 mce

*see PXSalt Library for
enclosure. PXSalt-1086
Enclosure in WM/UMSS*

84 OCT 24 P3:28

WM DOCKET CONTROL
CENTER

B501070124 B41023
PDR WASTE
WM-16 PDR

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities

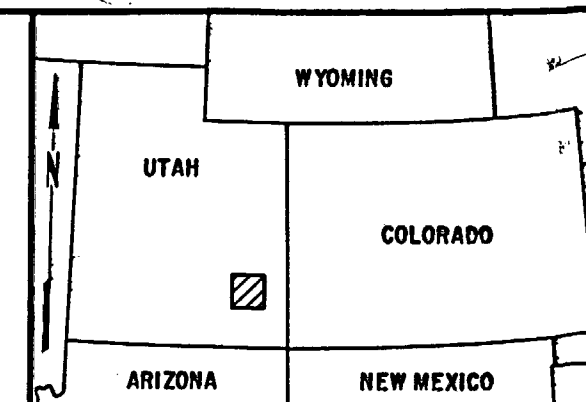
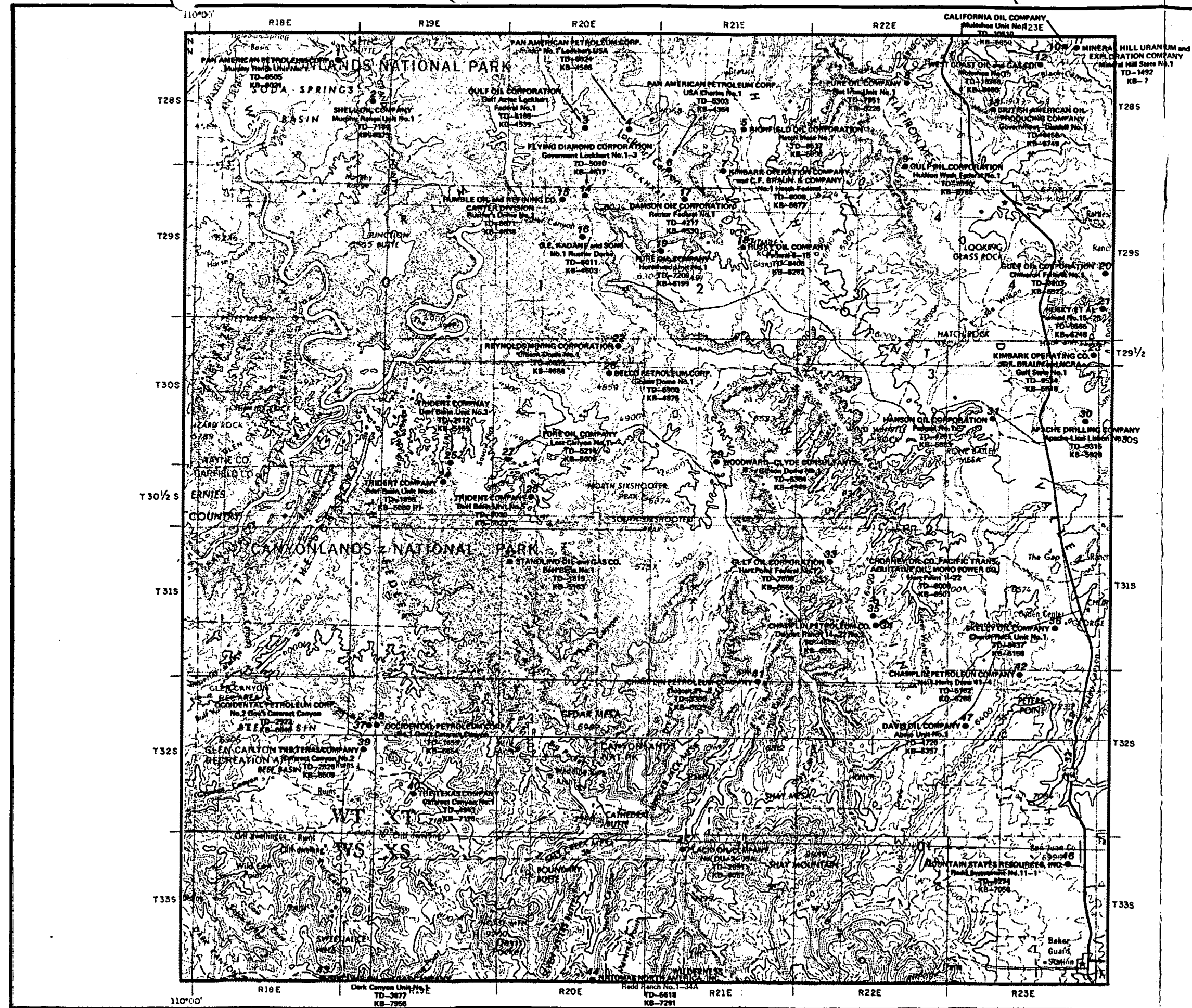
727

WELLS EXAMINED FOR STRATIGRAPHIC CORRELATION

<u>Well #</u>	<u>WELL NAME</u>	<u>LOG TYPE</u>	<u>LOCATION</u>
✓ 1	Pan American Petroleum Corp. Murphy Range Unit #1	Gamma / Sonic	12-28S-18E
✓ 2	Shell Oil Co. Murphy Range Unit #1	Gamma / Sonic	18-28S-19E
✓ 3	The Gulf Oil Corp. Gulf Aztec Lockhard Federal #1	Gamma / Neutron	22-28S-20E
✓ 4	Pan American Petroleum Corp. #1 Lockhard USA	Gamma / Sonic	23-28S-21E
✓ 5	Richfield Oil Corp. Hatch Mesa #1	Gamma / Neutron	22-28S-21E
✓ 6	Pan American Petroleum Corp. USA Charles #1	Gamma / Sonic	31-28S-21E
✓ 7	Kimbark Operating Co. and C. F. Braun & Co. #1 Hatch Federal	Gamma / Sonic	33-28S-21E
✓ 8	Pure Oil Company Flat Iron Unit #1	Gamma / Sonic	10-28S-22E
✓ 9	The Gulf Oil Corp. Hudson Wash Federal #1	Gamma / Neutron	34-28S-22E
✓ 10	California Oil Company Muleshoe Unit #1	Gamma / Sonic	2-28S-23E
✓ 11	Mineral Hill Uranium & Exploration Co. Mineral Hill State #1	SP / Resistivity very shallow, limited value	2-28S-23E
✓ 12	West Coast Oil & Gas Company Muleshoe #1	Gamma / Resistivity	10-28S-23E
✓ 13	British American Oil Producing Co. Government-Lundell #1	Gamma / Sonic	17-28S-23E
✓ 14	Flying Diamond Corporation Government Lockhart No. 1-3	Gamma / Density	3-29S-20E
✓ 15	The Humble Oil & Refining Co. - Carter Div. Rustler's Dome #1	Gamma / Sonic	4-29S-20E
✓ 16	G. E. Kadane & Sons #1 Rustler Dome	Gamma / Sonic	15-29S-20E

Well #	WELL NAME	LOG TYPE	LOCATION
✓ 17	Damson Oil Corporation Rector Federal No. 1	Gamma / Density	5-29S-21E
✓ 18	Husky Oil Company Federal 6-15	Gamma / Resistivity	15-29S-21E
2 ✓ 19	Pure Oil Company Horsehead Unit #1	Gamma / Sonic	18-29S-21E
✓ 20	Gulf Oil Corporation Chevron Federal #1	Gamma / Sonic	24-29S-23E
✓ 21	Husky et al Federal No. 15-25	Gamma / Sonic	25-29S-23E
✓ 22	Reynolds Mining Corporation Gibson Dome #1	Gamma / Neutron	35-29-1/2S-20E
✓ 23	Kimbark Operating Co., C.F. Braun & NCRA Gulf State #1	Gamma / Sonic	36-29-1/2S-23E
✓ 24	Trident Company Beef Basin #4	Gamma / Neutron	26-30S-19E
✓ 25	Trident Company Beef Basin Unit #3	Gamma / Neutron	26-30S-19E
✓ 26	Belco Petroleum Corp. Gibson Dome 1-2	Gamma / Density	2-30S-20E
✓ 27	Pure Oil Company Lost Canyon #1	Gamma / Sonic	19-30S-20E
✓ 28	Trident Company Beef Basin No. 5	Gamma / Neutron	32-30S-20E
✓ 29	Woodward-Clyde Consultants Gibson Dome #1	Gamma / Neutron	21-30S-21E
✓ 30	Apache Drilling Company Apache-Lion Lisbon #1	Gamma / Neutron	13-30S-23E
✓ 31	Hanson Oil Corporation Federal No. 1X	Gamma / Density	17-30S-23E
✓ 32	Stanolind Oil & Gas Co. Beef Basin #1	Gamma / Neutron	7-31S-20E
✓ 33	The Gulf Oil Corporation Hart Point Federal #1	Gamma / Neutron	8-31S-22E

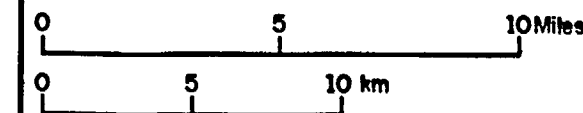
<u>Well #</u>	<u>WELL NAME</u>	<u>LOG TYPE</u>	<u>LOCATION</u>
✓ 34	Champlin Petroleum Company Dugout Ranch 14-22 #2	Gamma / Sonic	22-31S-22E
✓ 35	Chorney Oil Co., Pacific Trans., Aquitaine Oil, Mono Power Co. Hart Point 1-22	Gamma / Sonic	22-31S-22E
✓ 36	Skelly Oil Company Church Rock Unit #1	Gamma / Sonic	26-31S-23E
2 ✓ 37	Occidental Petroleum Corp. #2 Gov't Cataract Canyon	Gamma / Resistivity	7-32S-19E
✓ 38	Occidental Petroleum Corp. #1 Gov't Cataract Canyon	Gamma / Neutron	8-32S-19E
2 ✓ 39	The Texas Company Cataract Canyon #2	Gamma / Neutron	18-32S-19E
✓ 40	The Texas Company Cataract Canyon #1	Gamma / Neutron	28-32S-19E
2 ✓ 41	Champlin Petroleum Company Dugout 21-2	Gamma / Induction	2-32S-21E
✓ 42	Champlin Petroleum Company #1 Hart Draw 41-4	Gamma / Sonic	4-32S-23E
✓ 43	Sinclair Oil & Gas Company Dark Canyon Unit #1	Gamma / Neutron	36-33S-18E
2 ✓ 44	Natomas North America, Inc. Redd Ranch #1-34-A	Gamma / Density	34-33S-20E
✓ 45	Placid Oil Company No. DU-2 USA	Gamma / Sonic	5-33S-21E
✓ 46	Mountain States Resources, Inc. Redd Investment No. 11-1	Gamma / Density	11-33S-23E
✓ 47	Davis Oil Company Abajo Unit #1	Gamma / Sonic	7-32S-23E



EXPLANATION

- BOREHOLE**
- TD-5505 TOTAL DEPTH IN FEET**
- KB-6021 KELLY BUSHING ELEVATION IN FEET**

TI APERTURE CARD



LOCATIONS OF BOREHOLES WITH
AVAILABLE GEOPHYSICAL LOGS
WITHIN THE STUDY AREA

S. swarthy Topical Report

Project No. 17000
Woodward-Clyde Consultants
Figure I-1