CRUDE OIL TESTING, INC.

DATE 9/6/84 TEST TICKET NO. 4668

Company: A. Scott Ritchie
Company Address: 125 N. Market Suite 950 Wichita KS 67202
Location: Sec. 35 Twp. 16S Range 22W Co. Ness State KS
Well Name & Number: #1 Ummel Code E9

ENGINEERING DATA

Elevation	2399 KB	Drill Pipe Length	4329 ID 3.8 "
Mud Viscosity	45	Weight Pipe Length	
Mud Weight	9.5	Drill Collar Length	
Water Loss	11.6	Top Packer Depth	4345
Type of Mud	Starch	Bottom Packer Depth	4350
Anchor Length	25	Tool Joint Size	4.5 FH
Hole Size	7 7/8	Test Tool Size	5 1/2
Casing Size	8 5/8	Packer Size	6 3/4
Surface Choke	3/4	Reversed Out	No
Bottom Choke	3/4	Recorder #	11086
Extra Equipment		None	

REMARKS

DST #1
Pit sample 30000 ppm.

FORMATION

Cherokee Zone Sand Test Type Conventional
Interval 4350 To 4375 Total Depth 4375
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 08:41PM Started Off Bottom 10:45PM
Blow 1st Opening Very weak blow died in 5 min.
2nd Opening No blow, flushed tool, good surge, no help.

RECOVERY

Total Feet 2
Recovered 2 feet of Drilling mud (no show of oil)

CALCULATED RECOVERY

Gas Oil Water Mud 2
Gravity (Oil) Test Water Chlorides PPM
Test Area Temperature 121F Mud System Chlorides 34,000 PPM

PRESSURE

	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2251		PSI
(B) First Initial Flow Pressure	33		PSI
(C) First Final Flow Pressure	33		PSI
(D) Initial Closed-In Pressure	44		PSI
(E) Second Initial Flow Pressure	33		PSI
(F) Second Final Flow Pressure	33		PSI
(G) Final Closed-In Pressure	44		PSI
(H) Final Hydrostatic Mud	2240		PSI

EQUIPMENT DATA

TOOL SEQUENCE REPORT

DST Number: 1 TEST TICKET NO. 4668

WELL NAME: #1 Ummel WELL LOCATION: 35-16S-22W

Tool #	Tool	Length	I.D.	O.D.
1	Drill Pipe - 4.5"	4329.00	3.826	4.50
8	Circulating Sub	1.00	3.000	5.00
9	Shut-In Tool	5.45	0.870	5.00
10	Hydraulic Tool	5.60	1.000	5.00
14	Packer	5.35	1.530	6.75
14	Packer	5.35	1.530	6.75
6	Anchor	21.00	2.750	5.00
15	Recorder Carrier	1.00		5.00
16	Bull Plug	2.00		5.00
	Total Depth	4375.75		

CRUDE OIL TESTING, INC.

DATE 9/7/84 TEST TICKET NO. 4669

Company: A. Scott Ritchie
Company Address: 125 N. Market Suite 950 Wichita KS 67202
Location: Sec. 35 Twp. 16S Range 22W Co. Ness State KS
Well Name & Number: #1 Ummel Code E9

ENGINEERING DATA

Elevation	2399 KB	Drill Pipe Length	4328 ID 3.8 "
Mud Viscosity	44	Weight Pipe Length	
Mud Weight	9.6	Drill Collar Length	
Water Loss	10.8	Top Packer Depth	4344
Type of Mud	Starch	Bottom Packer Depth	4349
Anchor Length	55	Tool Joint Size	4.5 FH
Hole Size	7 7/8	Test Tool Size	5 1/2
Casing Size	8 5/8	Packer Size	6 3/4
Surface Choke	3/4	Reversed Out	No
Bottom Choke	3/4	Recorder #	11086
Extra Equipment		None	

REMARKS

DST #2
Pit sample 30000 ppm.
Tool failed to open all the way after tool
was flushed on 2nd open.

FORMATION

Mississippi Zone Test Type Conventional
Interval 4349 To 4404 Total Depth 4404
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 01:12PM Started Off Bottom 03:15PM
Blow 1st Opening Weak blow died in 10 min.
2nd Opening No blow, flushed tool, good surge, no help.

RECOVERY

Total Feet 5
Recovered 5 feet of Drilling mud (no show)

CALCULATED RECOVERY

Gas	Oil	Water	Mud 5
Gravity (Oil)		Test Water Chlorides	PPM
Test Area Temperature 122F		Mud System Chlorides	28,000 PPM

PRESSURE

	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2295		PSI
(B) First Initial Flow Pressure	66		PSI
(C) First Final Flow Pressure	66		PSI
(D) Initial Closed-In Pressure	109		PSI
(E) Second Initial Flow Pressure	76		PSI
(F) Second Final Flow Pressure	76		PSI
(G) Final Closed-In Pressure	0		PSI
(H) Final Hydrostatic Mud	2284		PSI

EQUIPMENT DATA

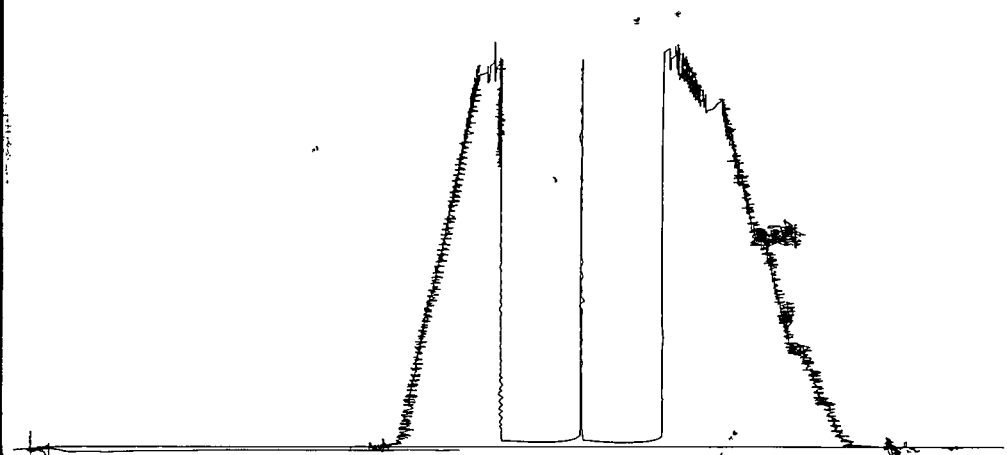
TOOL SEQUENCE REPORT

DST Number: 2 TEST TICKET NO. 4669

WELL NAME: #1 Ummel WELL LOCATION: 35-16S-22W

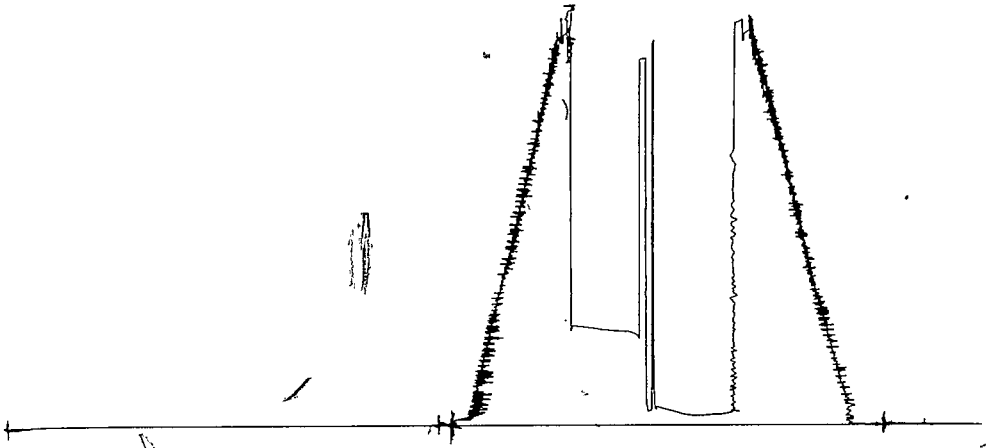
Tool #	Tool	Length	I.D.	O.D.
1	Drill Pipe - 4.5"	4328.00	3.826	4.50
8	Circulating Sub	1.00	3.000	5.00
9	Shut-In Tool	5.45	0.870	5.00
10	Hydraulic Tool	5.60	1.000	5.00
14	Packer	5.35	1.530	6.75
14	Packer	5.35	1.530	6.75
6	Anchor	51.00	2.750	5.00
15	Recorder Carrier	1.00		5.00
16	Bull Plug	2.00		5.00
	Total Depth	4404.75		

Toq
#11086
DST#1
#4668



1185'
Botto-
4668
DST#1

Top
11086
DST #2
4668



Bottom
11085
DST #2
4668

