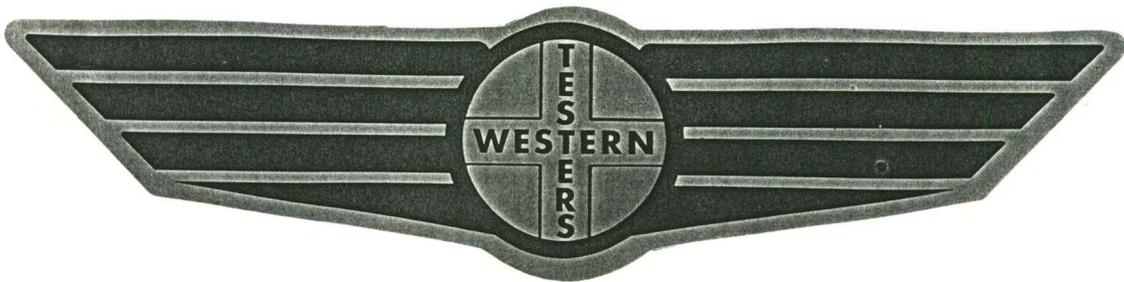


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 7/23/94
CUSTOMER : MURFIN DRILLING CO., INC
WELL : #1-26 TEST: 1
ELEVATION: 3717 GR EST
SECTION : 26
RANGE : 41W COUNTY: WALLACE
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20068
LEASE : AKERS TRUST
GEOLOGIST: BANKS
FORMATION: MORROW
TOWNSHIP : 15S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4970.00 ft TO: 5110.00 ft TVD: 5110.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4978.0 ft 4981.0 ft
TEMPERATURE: 136.0
DRILL COLLAR LENGTH: 473.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4465.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 140.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4965.0 ft SIZE: 6.750 in
PACKER DEPTH: 4970.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN RIG 14
MUD TYPE : CHEMICAL
WEIGHT : 9.300 ppg
CHLORIDES : 4000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO
VISCOSITY : 55.00 cp
WATER LOSS: 9.600 cc
SERIAL NUMBER: 414
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OPENED TO WEAK BLOW - 1/2 INCH
INCREASED TO 5 INCHES IN WATER. FINAL FLOW PERIOD
OPENED TO WEAK BLOW - INCREASED TO 4 INCHES IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

WATER.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
240.0	0.0	0.0	0.0	100.0	MUD
266.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	RW .4 @ 80 DEGREES F
0.0	0.0	0.0	0.0	0.0	CHLORIDES 32000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	85.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	1.4361	STB	AVERAGE WATER RATE:	21.1860	STB/D
WATER VOLUME:	1.2506	STB			
TOTAL FLUID :	2.6866	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2404.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	78.00	146.00
INITIAL SHUT-IN	45.00		974.00
FINAL FLOW	60.00	214.00	273.00
FINAL SHUT-IN	60.00		955.00

FINAL HYDROSTATIC PRESSURE: 2354.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2603.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	88.00	166.00
INITIAL SHUT-IN	45.00		994.00
FINAL FLOW	60.00	220.00	280.00
FINAL SHUT-IN	60.00		988.00

FINAL HYDROSTATIC PRESSURE: 2510.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/23/94	TICKET	: 20068
CUSTOMER	: MURFIN DRILLING CO., INC	LEASE	: AKERS TRUST
WELL	: #1-26 TEST: 1	GEOLOGIST	: BANKS
ELEVATION	: 3717 GR EST	FORMATION	: MORROW
SECTION	: 26	TOWNSHIP	: 15S
RANGE	: 41W COUNTY: WALLACE	STATE	: KS
GAUGE SN#	: 13760 RANGE : 3950	CLOCK	: 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	88.00	88.00
5.00	101.00	13.00
10.00	111.00	10.00
15.00	148.00	37.00
20.00	150.00	2.00
25.00	166.00	16.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	834.00	834.00	0.00
6.00	877.00	43.00	0.00
9.00	910.00	33.00	0.00
12.00	926.00	16.00	0.00
15.00	935.00	9.00	0.00
18.00	941.00	6.00	0.00
21.00	947.00	6.00	0.00
24.00	957.00	10.00	0.00
27.00	964.00	7.00	0.00
30.00	968.00	4.00	0.00
33.00	974.00	6.00	0.00
36.00	978.00	4.00	0.00
39.00	984.00	6.00	0.00
42.00	988.00	4.00	0.00
45.00	994.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	220.00	220.00
5.00	214.00	-6.00
10.00	218.00	4.00
15.00	234.00	16.00
20.00	244.00	10.00
25.00	253.00	9.00
30.00	263.00	10.00
35.00	263.00	0.00
40.00	269.00	6.00
45.00	275.00	6.00
50.00	280.00	5.00
55.00	280.00	0.00
60.00	280.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	640.00	640.00	0.00
6.00	838.00	198.00	0.00
9.00	861.00	23.00	0.00
12.00	877.00	16.00	0.00
15.00	887.00	10.00	0.00
18.00	898.00	11.00	0.00
21.00	910.00	12.00	0.00
24.00	918.00	8.00	0.00
27.00	926.00	8.00	0.00
30.00	933.00	7.00	0.00
33.00	941.00	8.00	0.00
36.00	945.00	4.00	0.00
39.00	951.00	6.00	0.00
42.00	955.00	4.00	0.00
45.00	959.00	4.00	0.00
48.00	965.00	6.00	0.00
51.00	970.00	5.00	0.00
54.00	976.00	6.00	0.00
57.00	982.00	6.00	0.00
60.00	988.00	6.00	0.00

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE : 7/23/94
CUSTOMER : MURFIN DRILLING CO., INC
WELL : #1-26 TEST: 1
ELEVATION: 3717 GR EST
SECTION : 26
RANGE : 41W COUNTY: WALLACE
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20068
LEASE : AKERS TRUST
GEOLOGIST: BANKS
FORMATION: MORROW
TOWNSHIP : 15S
STATE : KS
CLOCK : 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER: 200.00 PSIG BHT: 136.0 DEG F
TOTAL VOLUME OF SAMPLER: 3150.00 cc
TOTAL VOLUME OF SAMPLE: 2900.00 cc
OIL: 0.00 cc
WATER: 2300.00 cc
MUD: 600.00 cc
GAS: 0.00 cc
OTHER: 0.00 cc

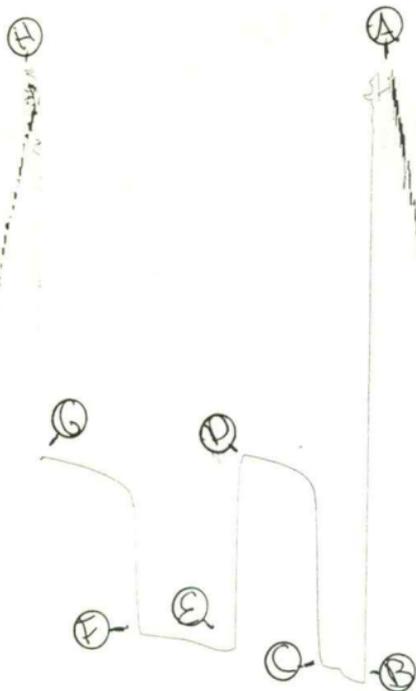
RESISTIVITY

DRILLING MUD: .4 @ 80 DEGREES F
MUD PIT SAMPLE: 1.9 @ 80 DEGREES F
GAS/OIL RATIO:
WHERE WAS SAMPLE DRAINED:
REMARKS:
CHLORIDE CONTENT: 32000.00 ppm
CHLORIDE CONTENT: 4000.00 ppm
GRAVITY:

13760

TK+20068

I



1340

IR+ 20068
0

