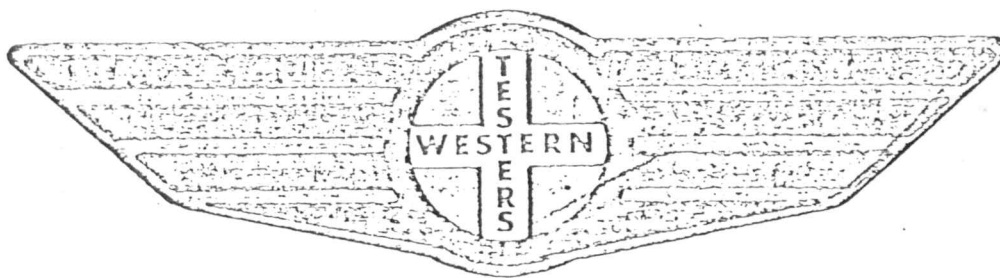


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company _____ DIAMOND SHAMROCK EXPLORATION CO. Lease and Well No. _____
#1 FIELD MAP PLANNING SEC. _____ TO Twp. _____ Rge. _____
Test No. _____ Date _____

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/19/84 TICKET #5500
CUSTOMER: DIAMOND SHAMROCK EXPLORATION LEASE: E.M. BLANKINSHIP
WELL: #1 TEST: 1 GEOLOGIST: KIRKMAN
ELEVATION (KB): 1227 FORMATION: MISS LIME
SECTION: 10 TOWNSHIP: 33S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3945 FT TO: 3989 FT TOTAL DEPTH: 3989 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3945 FT SIZE: 6 3/4 IN PACKER DEPTH: 3940 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEM VISCOSITY: 40
WEIGHT: 9.2 WATER LOSS (CC): 11.4
CHLORIDES (P.P.M.): 8000
JARS - MAKE: W.T.C. SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 307 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3601 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 37 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 44 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: WEAK TO VERY WEAK @ END OF TEST.

RECOVERED: 70 FT OF: DRLG MUD W/SLIGHT SHOW OF OIL IN SAMPLER 1%
RECOVERED: FT OF: CHLORIDES 8500 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:45 A.M. TIME STARTED OFF BOTTOM: 7:45 A.M.
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1930 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 43 PSI TO (C) 48 PSI
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1368 PSI
FINAL FLOW PERIOD MIN: 35 (E) 69 PSI TO (F) 74 PSI
FINAL CLOSED IN PERIOD MIN: 57 (G) 1260 PSI
FINAL HYDROSTATIC PRESSURE (H) 1930 PSI

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P. O. Box 793 - Great Bend, Kansas

Fluid Sample Report

Date 6/19/84 Ticket No. 5500

Company Diamond Shamrock Exploration Company

Well Name & No. #1 Ethel Mae Blankinship DST No. 1

County Sumner State Kansas

Sampler No. 1 Test Interval 3945-3989

Pressure in Sampler 10 PSIG BHT 120 OF

Total Volume of Sampler 3150 cc.

Total Volume of Sample: 2600 cc.

Oil: 260 cc.

Water: cc.

Mud: 2340 cc.

Gas: cu. ft.

Other:

Resistivity

Mud .75 @ 80° of Chloride Content 8500 ppm.

Mud Pit Sample .75 @ 76° of Chloride Content 8500 ppm.

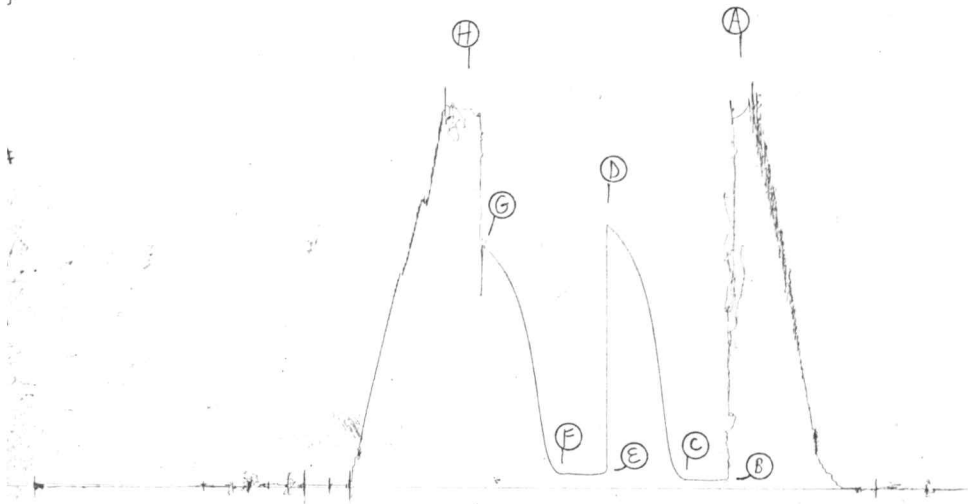
Gas/Oil Ratio Gravity °API @ OF

Where was sample drained @ rig

Remarks:

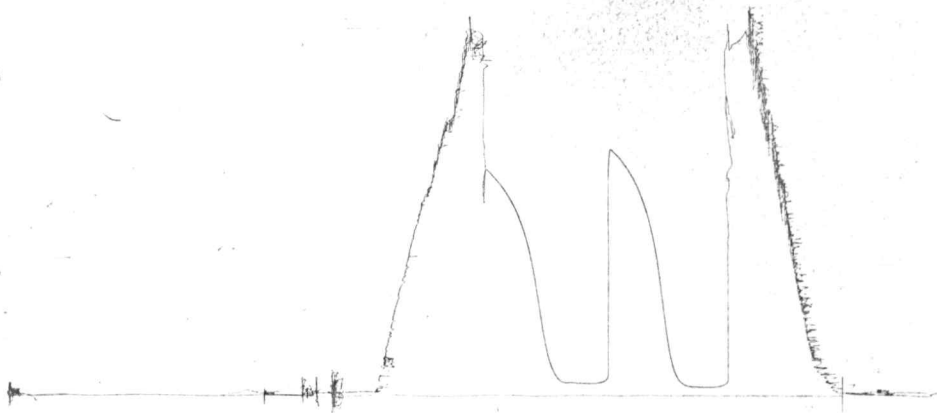
TKT # 5500

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TKT # 5500

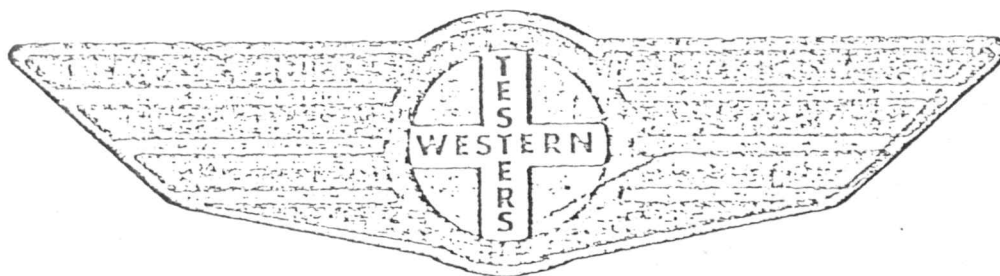
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

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Company DIAMOND SHAMROCK EXPLOR. Co. Lease and Well No. #1 ETHEL MAE BLANKINSHIP. 10 Twp. 33S Rge. 2W Test No. 2 Date 6/22/8.

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/22/84
CUSTOMER: DIAMOND SHAMROCK EXPLORATION
WELL: 1 TEST: 2
ELEVATION (KB): 1227 FORMATION: KANSAS CITY LIME
SECTION: 10 TOWNSHIP: 33S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3352 FT TO: 3378 FT TOTAL DEPTH: 4545 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3352 FT SIZE: 6 3/4 IN PACKER DEPTH: 3378 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEMICAL VISCOSITY: 51
WEIGHT: 9.2 WATER LOSS (CC): 11.4
CHLORIDES (P.P.M.): 8000
JARS - MAKE: W.T.C. SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 307 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3013 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 32 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 26 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 X.H. IN

BLOW: MISRUN: PACKER SEAT FAILED TO HOLD.

RECOVERED: 420 FT OF: DRILLING MUD
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 10:30 P.M. TIME STARTED OFF BOTTOM: 10:45 P.M.
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1682 PSI
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 1615 PSI

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P. O. Box 793 - Great Bend, Kansas

Fluid Sample Report

Date 6/22/84 Ticket No. 5551

Company Diamond Shamrock Exploration Company

Well Name & No. #1 Ethel Mae Blankinship DST No. 2

County Sumner State Kansas

Sampler No. 1 Test Interval 3352-3378 Total Depth 4545

Pressure in Sampler - PSIG BHT - OF

Total Volume of Sampler 3150 cc.

Total Volume of Sample: cc.

Oil: cc.

Water: cc.

Mud: cc.

Gas: cu. ft.

Other:

Resistivity

Water: @ of Chloride Content ppm.

Mud Pit Sample 75 @ 80 of Chloride Content 8,000 ppm.

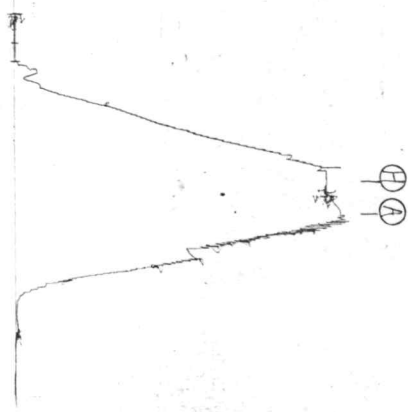
Gas/Oil Ratio Gravity °API @ OF

Where was sample drained

Remarks: Packer seat failed to hold
misrun

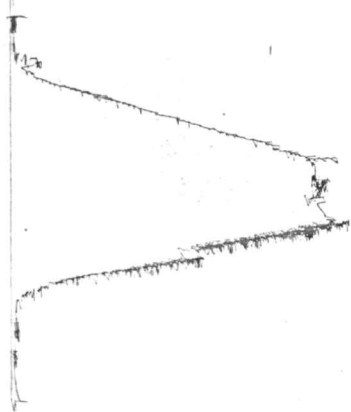
TKT # 5551

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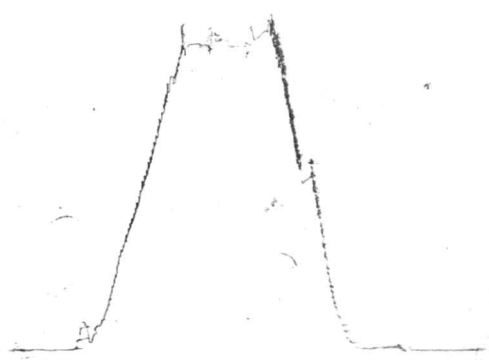
TKT # 5551

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TKT # 5551
Below Straddle

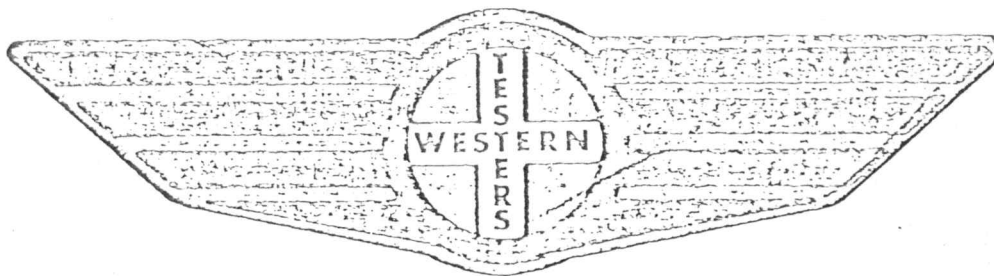
13268 05742 5551



FORMATION

TEST

REPORT



Home Office:

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P.O. Box 1599

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WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/23/84
CUSTOMER: DIAMOND SHAMROCK EXPLORATION
WELL: 1 TEST: 3
ELEVATION (KB): 1227 FORMATION: KANSAS CITY
SECTION: 10 TOWNSHIP: 33S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3348 FT TO: 3378 FT TOTAL DEPTH: 4545 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3343 FT SIZE: 6 3/4 IN PACKER DEPTH: 3348 FT SIZE: 6 3/4 IN
PACKER DEPTH: 3378 FT SIZE: 6 3/4 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEMICAL VISCOSITY: 51
WEIGHT: 9.2 WATER LOSS (CC): 11.4
CHLORIDES (P.P.M.): 8000
JARS - MAKE: W.T.C. SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 307 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3004 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 37 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 30 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 X.H. IN

BLOW: MISRUN

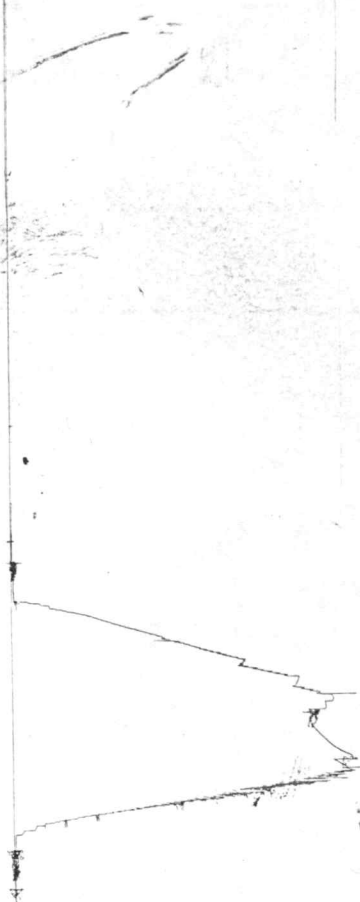
RECOVERED: 5 FT OF: DRILLING MUD
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 2:30 P.M. TIME STARTED OFF BOTTOM: 3:00 P.M.
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 0 PSI
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 0 PSI

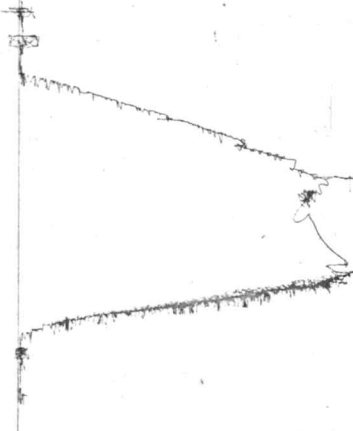
TKT # 5552

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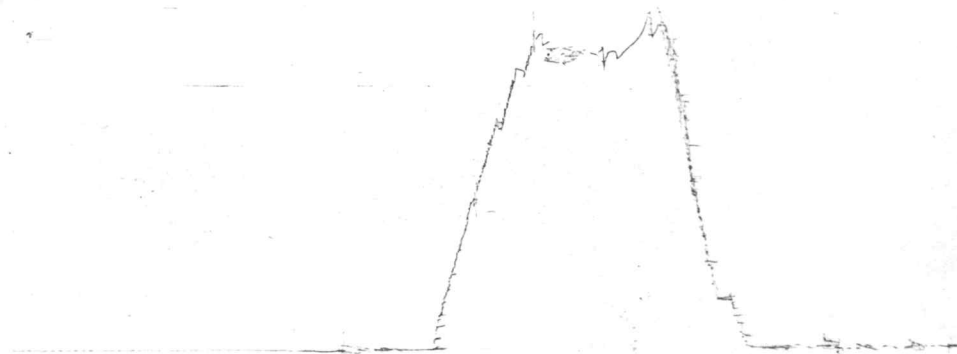
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TKT # 5552

Below Straddle



2555

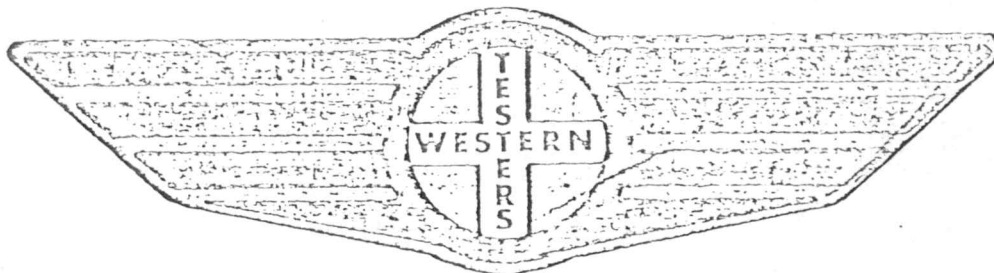
DS7#3

2608

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/23/84
CUSTOMER: DIAMOND SHAMROCK EXPLORATION
WELL: 1 TEST: 4
ELEVATION (KB): 1227 FORMATION: KANSAS CITY
SECTION: 10 TOWNSHIP: 33S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3348 FT TO: 3378 FT TOTAL DEPTH: 4545 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3343 FT SIZE: 6 3/4 IN PACKER DEPTH: 3348 FT SIZE: 6 3/4 IN
PACKER DEPTH: 3378 FT SIZE: 6 3/4 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEMICAL VISCOSITY: 46
WEIGHT: 9.2 WATER LOSS (CC): 11.6
CHLORIDES (P.P.M.): 10000
JARS - MAKE: W.T.C. SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 307 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3004 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 37 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 30 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 X.H. IN

BLOW: FAIR DIMINISHING SLIGHTLY AT END OF TEST.

RECOVERED: 665 FT OF: SALT WATER: TOP 185 FEET SLIGHTLY MUDDY
RECOVERED: FT OF: .5 RESISTIVITY AT 76 DEGREES.
RECOVERED: FT OF: CHLORIDES 16000 PPM
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 2:15 P.M. TIME STARTED OFF BOTTOM: 4:45 P.M.
WELL TEMPERATURE: 113 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1633 PSI
INITIAL FLOW PERIOD MIN: 15 (B) 79 PSI TO (C) 159 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 1302 PSI
FINAL FLOW PERIOD MIN: 35 (E) 219 PSI TO (F) 288 PSI
FINAL CLOSED IN PERIOD MIN: 57 (G) 1289 PSI
FINAL HYDROSTATIC PRESSURE (H) 1597 PSI

Phone (316) 793-7903



P. O. Box 793 - Great Bend, Kansas

Fluid Sample Report

Date 6/23/84 Ticket No. 5553

Company Diamond Shamrock Exploration Company

Well Name & No. #1 Ethel Mae Blankinship DST No. 4

County Sumner State Kansas

Sampler No. 1 Test Interval 3348-3378 Total Depth 4545

Pressure in Sampler 175 PSIG BHT 113 OF

Total Volume of Sampler 3150 cc.

Total Volume of Sample: 2850 cc.

Oil: cc.

Water: 2850 cc.

Mud:..... cc.

Gas: cu. ft.

Other:

Resistivity

Water:5..... @76..... of Chloride Content16,500..... ppm.

Mud Pit Sample 1.2 @ 86 of Chloride Content 10,000 ppm.

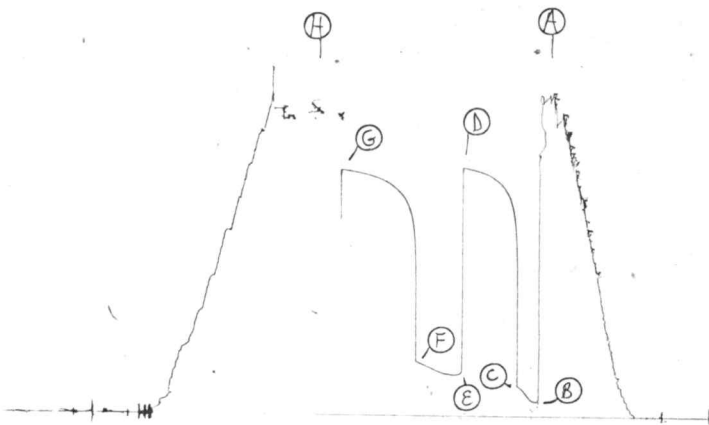
Gas/Oil Ratio Gravity °API @ °F

Where was sample drained @ rig

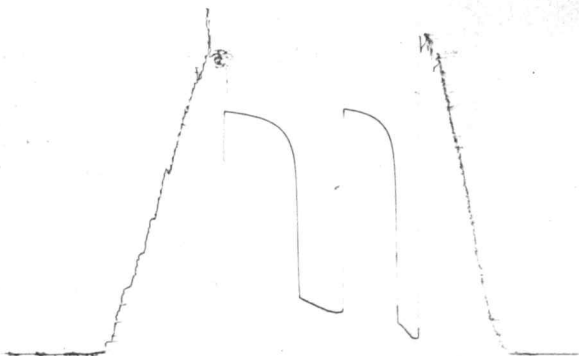
Remarks:

TKT # 5553

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TKT # 5553
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TKT # 5553

Below Straddle

