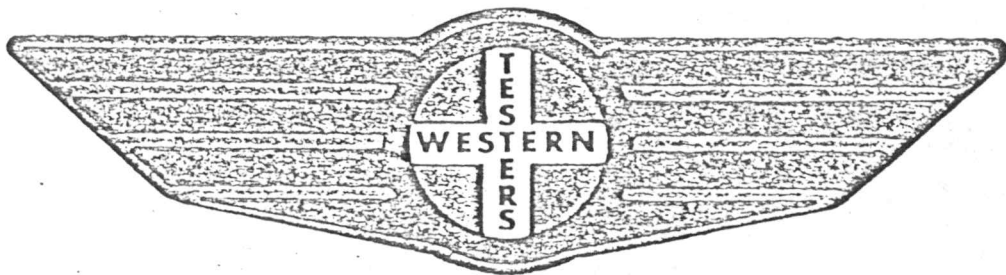


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-16-85
CUSTOMER: RINE EXPLORATION COMPANY
WELL: 1-7 TEST: 1
ELEVATION (KB): 1160 FORMATION: MISSISSIPPI
SECTION: 7 TOWNSHIP: 35S
RANGE: 3W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 4361 FT TO: 4445 FT TOTAL DEPTH: 4445 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4356 FT SIZE: 6 5/8 IN Packer DEPTH: 4361 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BIG SPRINGS DRLG. #2
MUD TYPE: LOW SOLIDS VISCOSITY: 45
WEIGHT: 9.3 WATER LOSS (CC): 19.2
CHLORIDES (P.P.M.): 7000
JARS - MAKE: WTC SERIAL NUMBER: 408
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: 285 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 3927 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 84 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 9 MINUTES ON
INITIAL FLOW PERIOD.

RECOVERED: 150	FT	OF: GAS CUT MUD.
RECOVERED: 360	FT	OF: GAS CUT MUD (SCUM OF OIL).
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 4:30 AM

TIME STARTED OFF BOTTOM: 8:15 AM

WELL TEMPERATURE: 120 °F

INITIAL HYDROSTATIC PRESSURE:	(A) 2239	PSI	
INITIAL FLOW PERIOD MIN: 40	(B) 125	PSI TO (C) 144	PSI
INITIAL CLOSED IN PERIOD MIN: 60	(D) 1561	PSI	
FINAL FLOW PERIOD MIN: 60	(E) 188	PSI TO (F) 196	PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 1463	PSI	
FINAL HYDROSTATIC PRESSURE	(H) 2093	PSI	

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9-16-85

TICKET #10943

CUSTOMER: RINE EXPLORATION COMPANY

LEASE: JENISTA

WELL: 1-7

TEST: 1

GEOLOGIST: BRAD RINE

ELEVATION (KB): 1160

FORMATION: MISSISSIPPI

SECTION: 7

TOWNSHIP: 35S

RANGE: 3W

COUNTY: SUMNER

STATE: KANSAS

GAUGE SN #13552

RANGE: 4050

CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

9				GAS TO SURFACE.
15	MERLA	1/2 IN.	15 PSIG	24500 CFPD
25			17	25800
35			17	25800
45			18	26600

SECOND FLOW

5	MERLA	1/2 IN.	35 PSIG	37600 CFPD
10			20	28000
20			17	25800
30			16	25100
40			15	24500
50			14	23700
60			14	23700

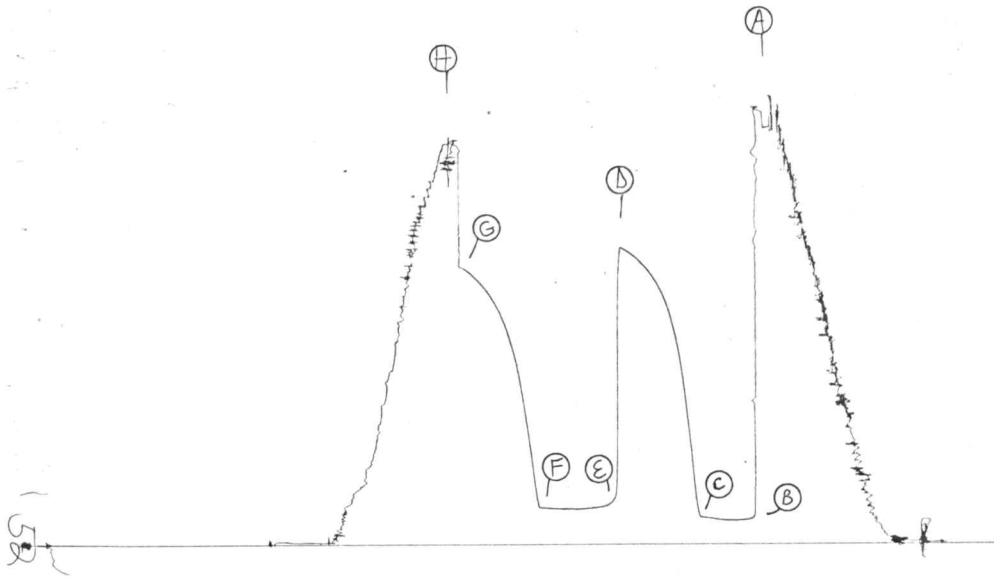
GAS BOTTLE SN #:

DATE BOTTLE FILLED:

DATE TO BE INVOICED:

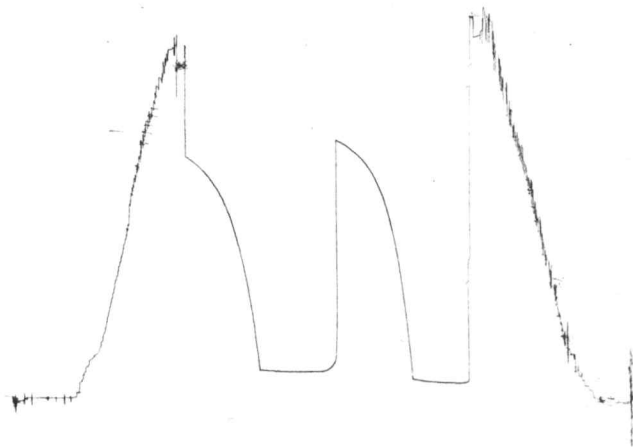
TKT # 10943

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TKT # 10943

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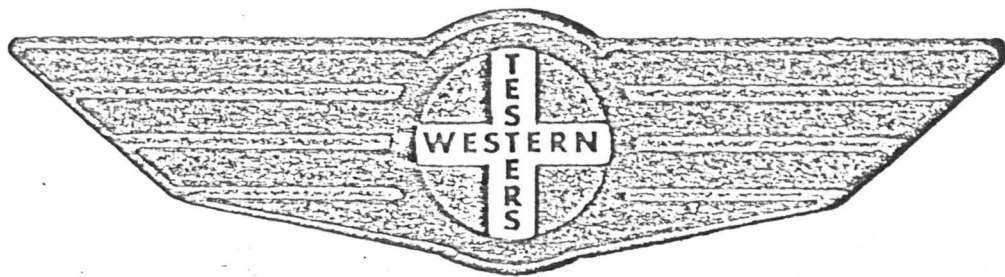


21

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO., INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/18/85
CUSTOMER: RINE EXPLORATION COMPANY
WELL: 1-7
ELEVATION (KB): 1160
SECTION: 7
RANGE: 3W
GAUGE SN #5666

TICKET #10882
LEASE: JENISTA
GEOLOGIST: RINE
FORMATION: SIMPSON
TOWNSHIP: 35S
COUNTY: SUMNER
STATE: KANSAS
RANGE: 3950
CLOCK: 12

INTERVAL TEST FROM: 4866 FT TO: 4879 FT TOTAL DEPTH: 4879 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4861 FT SIZE: 6 3/4 IN PAKER DEPTH: 4866 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BIG SPRINGS DRLG
MUD TYPE: CHEMICAL VISCOSITY: 48
WEIGHT: 9.2 WATER LOSS (CC): 12.6
CHLORIDES (P.P.M.): 6000
JARS - MAKE: WTC SERIAL NUMBER: 407
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 314 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 4522 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 30 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 13 FT SIZE: 5 1/2 OD 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: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 45 MINUTES. SEE
ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 30 FT OF: GASSY OIL (47 SPEC GRAVITY).
RECOVERED: 240 FT OF: GASSY OIL SLIGHTLY MUD CUT.
RECOVERED: FT OF: (50% GAS; 40% OIL; 10% MUD).
RECOVERED: 60 FT OF: GAS CUT MUDDY OIL (20% GAS; 50% OIL; 30% MUD).
RECOVERED: 2 FT OF: WATER.
RECOVERED: FT OF: CHLORIDES 72000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 12:30 PM

TIME STARTED OFF BOTTOM: 3:30 PM

WELL TEMPERATURE: 137 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

(A) 2556 PSI
(B) 85 PSI TO (C) 113 PSI

INITIAL CLOSED IN PERIOD MIN: 63

(D) 1825 PSI

FINAL FLOW PERIOD MIN: 35

(E) 118 PSI TO (F) 140 PSI

FINAL CLOSED IN PERIOD MIN: 63

(G) 1819 PSI

FINAL HYDROSTATIC PRESSURE

(H) 2336 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9/18/85
CUSTOMER: RINE EXPLORATION COMPANY
WELL: 1-7
ELEVATION (KB): 1160
SECTION: 7
RANGE: 3W
GAUGE SN #5666

TEST: 2
FORMATION: SIMPSON
TOWNSHIP: 35S
COUNTY: SUMNER
RANGE: 3950

TICKET #10882
LEASE: JENISTA
GEOLOGIST: RINE
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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45	MERLA	1	8.0" WTR	73100 CFPD
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GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

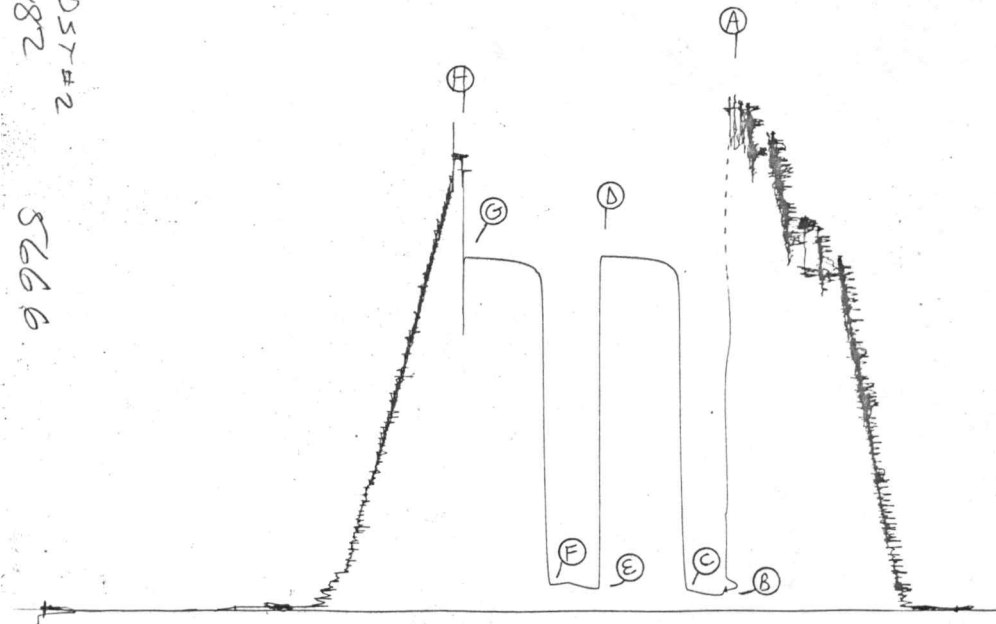
TKT # 10882

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10882

DST#2

5666



TKT # 10882

O

10882

DST#2

3351

