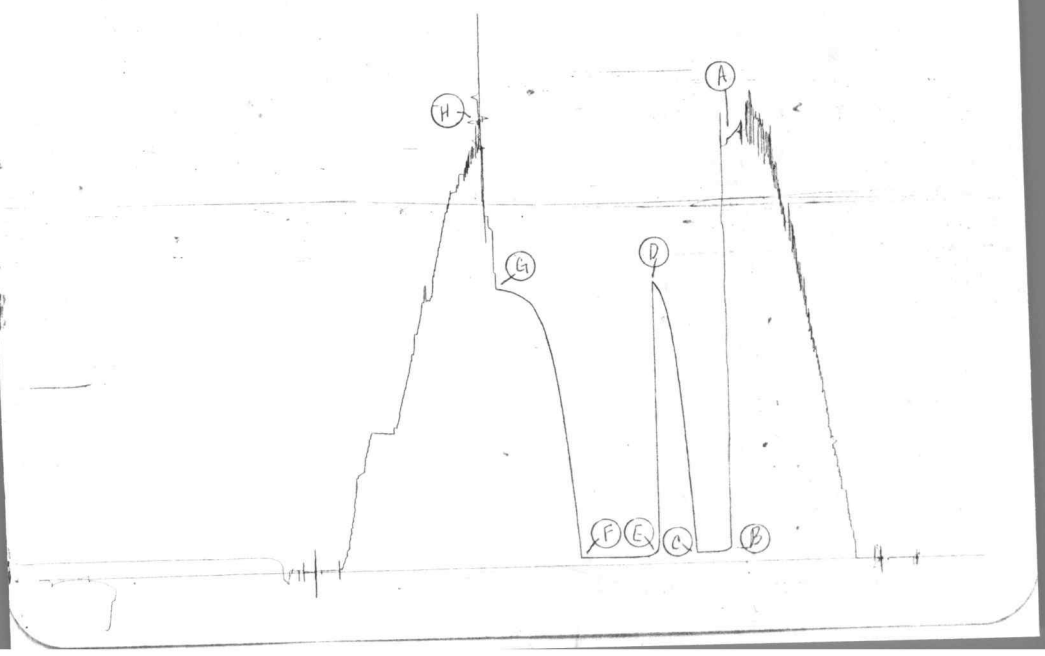


2606 VST

TKT # 1960

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10/23/83

CUSTOMER: RANGE OIL CO. INC.

WELL: 5

TEST: 1

ELEVATION (KB): 1548

SECTION: 20

RANGE: 10W

GAUGE SN #2606

COUNTY: BARBER

RANGE: 4150

TICKET #1960

LEASE: STEWART

GEOLOGIST: S.BOLTE

FORMATION: MISSISSIPPI

TOWNSHIP: 33S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 4580 FT TO: 4632 FT TOTAL DEPTH: 4632 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4575 FT SIZE: 6 3/4 IN PACKER DEPTH: 4580 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO. TOOLS RIG # 2

MUD TYPE: CHEM

VISCOSITY: 49

WEIGHT: 9.4

WATER LOSS (CC): 18.4

CHLORIDES (P.P.M.): 16000

JARS - MAKE: NO

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? 0

DRILL COLLAR LENGTH: 211

FT

I.D.: 2.25

IN

WEIGHT PIPE LENGTH:

FT

I.D.:

IN

DRILL PIPE LENGTH: 4349

FT

I.D.: 3.8

IN

TEST TOOL LENGTH: 20

FT

TOOL SIZE: 5 1/2 O.D. IN

ANCHOR LENGTH: 52

FT

SIZE: 4.5 OD PRF 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: INITIAL & FINAL FLOW PERIODS HAD
STRONG BLOWS THROUGHOUT TESTS.
GAS TO SURFACE IN 25 MINUTES.

RECOVERED: 70	FT	OF: GAS CUT MUD; TRACE OF OIL
RECOVERED:	FT	OF:
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): 2:50 A.M.

WELL TEMPERATURE: 118 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 25

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 55

FINAL CLOSED IN PERIOD MIN: 60

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 5:50 A.M.

(A) 2276	PSI
(B) 56	PSI TO (C) 56
(C) 1532	PSI
(E) 42	PSI TO (F) 45
(G) 1514	PSI
(H) 2249	PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 10/23/83
CUSTOMER: RANGE OIL CO. INC.
WELL: 5
ELEVATION (KB): 1548
SECTION: 20
RANGE: 10W
GAUGE SN #2606

TEST: 1
FORMATION: MISSISSIPPI
TOWNSHIP: 33S
COUNTY: BARBER
RANGE: 4150

TICKET #1960
LEASE: STEWART
GEOLOGIST: S.BOLTE
STATE: KANSAS
CLOCK: 12

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

25				GAS TO SURFACE
30	MERLA	1/2		NO GAGE

SECOND FLOW

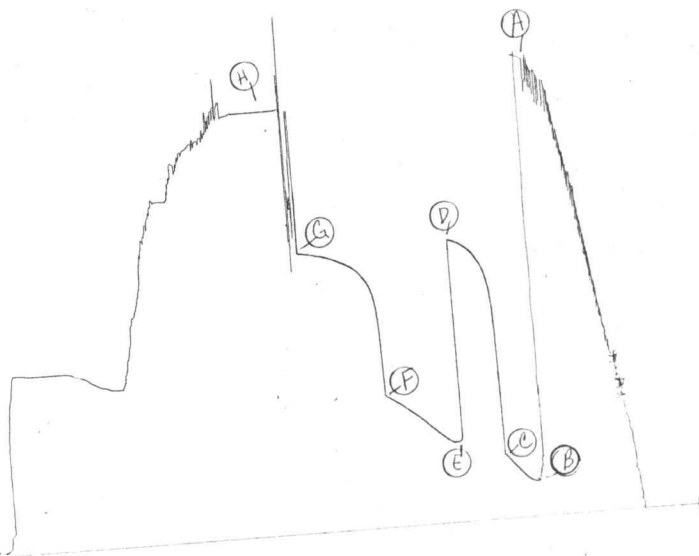
10	MERLA	1/2	1 PSIG	33900 CFPD
20		1/2	1 PSIG	33900 "
30		1/2	1 PSIG	33900 "
40		1/2	1 PSIG	33900 "
50		1/2	1 PSIG	33900 "
60		1/2	1 PSIG	33900 "

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

2606 DST#2

TR1 # 470

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10/24/83
CUSTOMER: RANGE OIL CO. INC.
WELL: 5
ELEVATION (KB): 1547
SECTION: 20
RANGE: 10W
GAUGE SN #2606

TEST: 2

COUNTY: BARBER
RANGE: 4150

FORMATION: MISSISSIPPI
TOWNSHIP: 33S

TICKET #1961
LEASE: STEWART
GEOLOGIST: S. BOLTE
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4633 FT TO: 4657 FT TOTAL DEPTH: 4657 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4628 FT SIZE: 6 3/4 IN PACKER DEPTH: 4633 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO. TOOLS RIG #2
MUD TYPE: CHEM VISCOSITY: 54
WEIGHT: 9.4 WATER LOSS (CC): 18.0
CHLORIDES (P.P.M.): 16000

JARS - MAKE: NO
DID WELL FLOW? NO

SERIAL NUMBER:
REVERSED OUT? NO

DRILL COLLAR LENGTH: 150 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4463 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 24 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 FH IN

BLOW: INITIAL FLOW PERIOD BLOW STRONG.
GAS TO SURFACE IN 5 MINUTES.

RECOVERED: 1850	FT	OF: GASSY OIL
RECOVERED: 130	FT	OF: WATER; CHLORIDES 110000 P.P.M.
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): 7:15 P.M.
WELL TEMPERATURE: 123 °F

TIME STARTED OFF BOTTOM: 10:15 P.M.

INITIAL HYDROSTATIC PRESSURE:		(A) 2458	PSI
INITIAL FLOW PERIOD	MIN: 30	(B) 193	PSI TO (C) 354 PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 1525	PSI
FINAL FLOW PERIOD	MIN: 55	(E) 439	PSI TO (F) 717 PSI
FINAL CLOSED IN PERIOD	MIN: 57	(G) 1509	PSI
FINAL HYDROSTATIC PRESSURE		(H) 2282	PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 10/24/83
CUSTOMER: RANGE OIL CO. INC.
WELL: 5
ELEVATION (KB): 1547
SECTION: 20
RANGE: 10W
GAUGE SN #2606

TEST: 2
FORMATION: MISSISSIPPI
TOWNSHIP: 33S
COUNTY: BARBER
RANGE: 4150

TICKET #1961
LEASE: STEWART
GEOLOGIST: S. BOLTE
STATE: KANSAS
CLOCK: 12

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

5				GAS TO SURFACE.
10	MERLA	1/2	1.5 PSIG	41000 CFPD
20		1/2	2.0 PSIG	47700 "
30		1/2	2.0 PSIG	47700 "

SECOND FLOW

10	MERLA	1/2	2.5 PSIG	53400 CFPD
20		1/2	2.0 PSIG	47700 "
30		1/2	1.5 PSIG	41000 "
40		1/2	1.5 PSIG	41000 "
50		1/2	1.5 PSIG	41000 "
60		1/2	1.5 PSIG	41000 "

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: