

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 8/10/83
CUSTOMER: ROBERT E CAMPBELL
WELL: 3 TEST: 1
ELEVATION (KB): 1544 FORMATION: MISSISSIPPI
SECTION: 9 TOWNSHIP: 29S
RANGE: 6W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 4071 FT TO: 4084 FT TOTAL DEPTH: 4084 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4066 FT SIZE: 6 5/8 IN PACKER DEPTH: 4071 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: PRMX-CHEM VISCOSITY: 40
WEIGHT: 9.2 WATER LOSS (CC): 19.2
CHLORIDES (P.P.M.): 7000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3840 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 4 MINUTES ON PREFLOW.

RECOVERED: 180 FT OF: WATERY 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:
RECOVERED: FT OF:

REMARKS: SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

TIME SET PACKER(S): 7:10 PM TIME STARTED OFF BOTTOM: 10:10 PM
WELL TEMPERATURE: 119 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2062 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 99 PSI TO (C) 105 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 1398 PSI
FINAL FLOW PERIOD MIN: 40 (E) 110 PSI TO (F) 112 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1367 PSI
FINAL HYDROSTATIC PRESSURE (H) 2058 PSI

WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 8/10/83
CUSTOMER: ROBERT E CAMPBELL
WELL: 3
ELEVATION (KB): 1544
SECTION: 9
RANGE: 6W
GAUGE SN #13547

TEST: 1
COUNTY: KINGMAN
RANGE: 4225

TICKET #19044
LEASE: BENSON-YEAGER
GEOLOGIST: ROBBA
FORMATION: MISSISSIPPI
TOWNSHIP: 29S
STATE: KANSAS
CLOCK: 12

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

5	MERLA	1 1/2	24" OFWTR	341000 CFPD
10			28" OFWTR	368000 CFPD
20			32" OFWTR	394000 CFPD
30			34" OFWTR	406000 CFPD

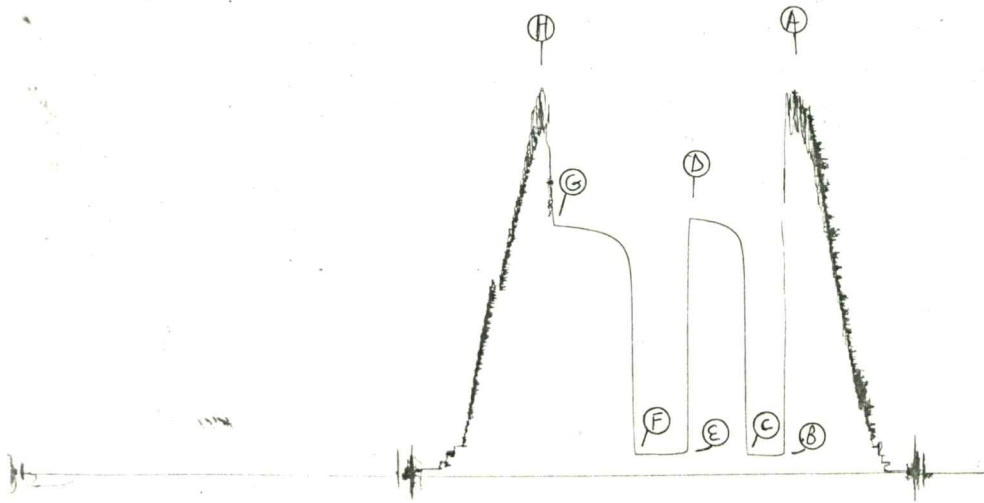
SECOND FLOW

5	MERLA	1	7 PSI	385000 CFPD
15			8 PSI	415000 CFPD
25			8 PSI	415000 CFPD
35			8 PSI	415000 CFPD
45			8 PSI	415000 CFPD

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

TKT # 19044

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WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 8/11/83
CUSTOMER: ROBERT E CAMPBELL
WELL: 3 TEST: 2
ELEVATION (KB): 1544 FORMATION: MISSISSIPPI
SECTION: 9 TOWNSHIP: 29S
RANGE: 6W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

TICKET #19045
LEASE: BENSON-YEAGER
GEOLOGIST: ROBBA

INTERVAL TEST FROM: 4091 FT TO: 4101 FT TOTAL DEPTH: 4101 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4086 FT SIZE: 6 5/8 IN PAKER DEPTH: 4091 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: PRMX-CHEM VISCOSITY: 40
WEIGHT: 9.2 WATER LOSS (CC): 19.2
CHLORIDES (P.P.M.): 7000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 310 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3760 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 10 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 15 MINUTES ON PREFLOW.

RECOVERED: 190 FT OF: CLEAN GASSY OIL. GRAVITY 30.
RECOVERED: 180 FT OF: GAS & MUD CUT OIL. 25% OIL; 25% MUD; 50% GAS.
RECOVERED: 210 FT OF: GASSY MUD CUT OIL. 50% OIL; 40% MUD; 10% WATER.
RECOVERED: 150 FT OF: MUD & OIL CUT SALT WATER. CHLORIDES 60000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

TIME SET PACKER(S): 9:15 AM TIME STARTED OFF BOTTOM: 12:00 PM
WELL TEMPERATURE: 120 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2004 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 103 PSI TO (C) 161 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 1423 PSI
FINAL FLOW PERIOD MIN: 35 (E) 191 PSI TO (F) 245 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1418 PSI
FINAL HYDROSTATIC PRESSURE (H) 1951 PSI

WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 8/11/83

TICKET #19045

CUSTOMER: ROBERT E CAMPBELL

LEASE: BENSON-YEAGER

WELL: 3

TEST: 2

GEOLOGIST: ROBBA

ELEVATION (KB): 1544

FORMATION: MISSISSIPPI

SECTION: 9

TOWNSHIP: 29S

RANGE: 6W

COUNTY: KINGMAN

STATE: KANSAS

GAUGE SN #13547

RANGE: 4225

CLOCK: 12

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

20	MERLA	3/4	17"OFWTR	58500 CFPD
30			14"OFWTR	53300 CFPD

SECOND FLOW

5	MERLA	3/4	20"OFWTR	63500 CFPD
10			18"OFWTR	60200 CFPD
20			14"OFWTR	53300 CFPD
30			11"OFWTR	47200 CFPD

GAS BOTTLE SN #:

DATE BOTTLE FILLED:

DATE TO BE INVOICED:

TKT # 19045

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