

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-18-83 TICKET #17957
CUSTOMER: ROBERT E. CAMPBELL OIL & GAS LEASE: CALKIN
WELL: 4 TEST: 1 GEOLOGIST: ROBBA
ELEVATION (KB): 1557 FORMATION: MISSISSIPPIAN
SECTION: 3 TOWNSHIP: 29S
RANGE: 6W COUNTY: KINGMAN STATE: KS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4059 FT TO: 4076 FT TOTAL DEPTH: 4076 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4054 FT SIZE: 6 5/8 IN PAKER DEPTH: 4059 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO
MUD TYPE: CHEM VISCOSITY: 38
WEIGHT: 9.0 WATER LOSS (CC): 17.6
CHLORIDES (P.P.M.): 6000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 300 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3739 FT I.D.: IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 4 1/2 IN
ANCHOR LENGTH: 17 FT SIZE: 5 1/2 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 FLOW PERIOD VERY STRONG BLOW.
FINAL FLOW PERIOD GAS TO SURFACE. SEE GAS SHEET
ATTACHED.

RECOVERED: 180 FT OF: MUD
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 9:40 AM TIME STARTED OFF BOTTOM: 12:10 PM
WELL TEMPERATURE: 112 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1920 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 89 PSI TO (C) 97 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1304 PSI
FINAL FLOW PERIOD MIN: 30 (E) 77 PSI TO (F) 86 PSI
FINAL CLOSED IN PERIOD MIN: 48 (G) 1277 PSI
FINAL HYDROSTATIC PRESSURE (H) 1918 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8-18-83
CUSTOMER: ROBERT E. CAMPBELL OIL & GAS
WELL: 4 TEST: 1
ELEVATION (KB): 1557 FORMATION: MISSISSIPPIAN
SECTION: 3 TOWNSHIP: 29S
RANGE: 6W COUNTY: KINGMAN STATE: KS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

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

SECOND FLOW

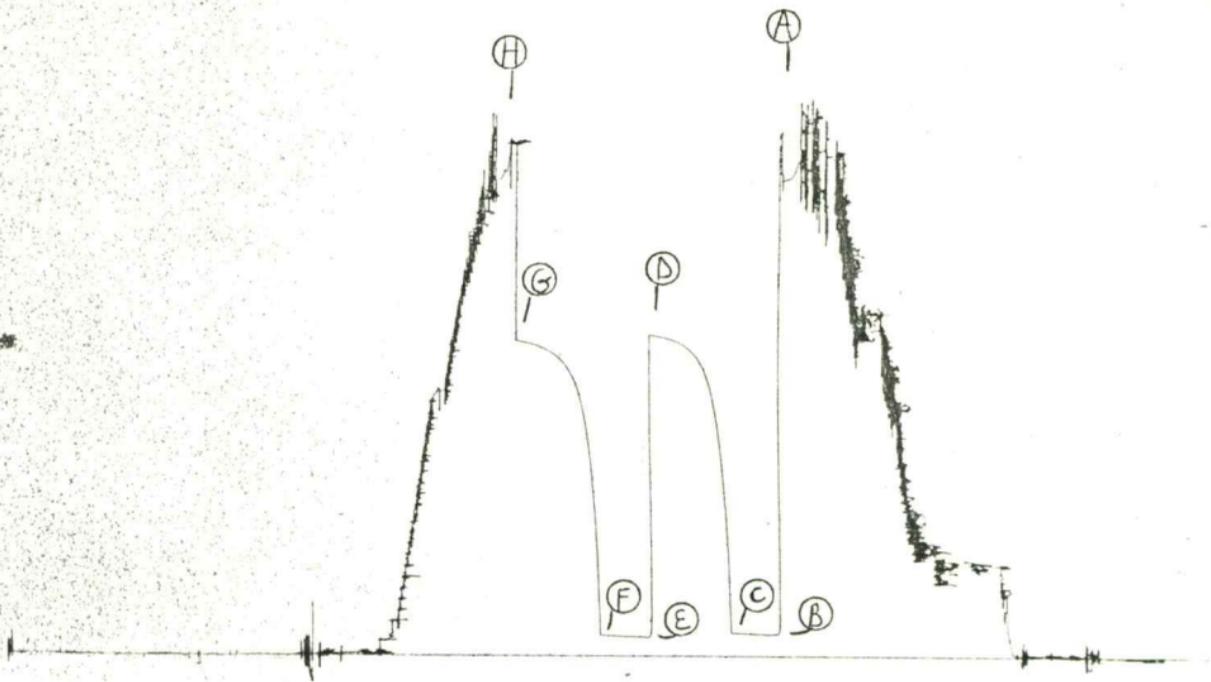
10:55 AM	MERLA	1/2"	2.6 "WTR	10100 CFPD
10 MIN		1/2"	2.5 "WTR	9720 CFPD
20 MIN		1/2"	2.4 "WTR	9720 CFPD
30 MIN		1/2"	2.4 "WTR	9720 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 8-18-83

TKT # 17957.

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/19/83 TICKET #17958
CUSTOMER: ROBERT E. CAMPBELL OIL & GAS LEASE: CALKIN
WELL: 4 TEST: 2 GEOLOGIST: ROBBA
ELEVATION (KB): 1557 FORMATION: MISSISSIPPIAN
SECTION: 3 TOWNSHIP: 29S
RANGE: 6W COUNTY: KINGMAN STATE: KS.
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4081 FT TO: 4091 FT TOTAL DEPTH: 4091 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4076 FT SIZE: 6 5/8 IN PACKER DEPTH: 4081 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO
MUD TYPE: CHEM VISCOSITY: 50
WEIGHT: 9.2 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 6500
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 300 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3764 FT I.D.: IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 10 FT SIZE: 4 1/2 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.

RECOVERED: 300 FT OF: GASSY MUD
RECOVERED: FT OF: CHLORIDES 6800 PPM
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: PICKED TOOL UP TO HIGH ON INITIAL SHUT-IN.

TIME SET PACKER(S): 12:10 AM TIME STARTED OFF BOTTOM: 3:10 AM
WELL TEMPERATURE: 113 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1942 PSI
INITIAL FLOW PERIOD MIN: 40 (B) 228 PSI TO (C) 277 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1282 PSI
FINAL FLOW PERIOD MIN: 45 (E) 300 PSI TO (F) 334 PSI
FINAL CLOSED IN PERIOD MIN: 66 (G) 1250 PSI
FINAL HYDROSTATIC PRESSURE (H) 1942 PSI

TKT # 17958 3659

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