

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/4/83
CUSTOMER: A. L. ABERCROMBIE INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 32S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN # 13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 4362 FT TO: 4378 FT TOTAL DEPTH: 4378 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4357 FT SIZE: 6 5/8 IN PACKER DEPTH: 4362 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REACH

MUD TYPE: PRESTARCH

VISCOSITY: 47

WEIGHT: 10.1

WATER LOSS (CC): 12.0

CHLORIDES (P.P.M.): 31000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? YES

REVERSED OUT? NO

DRILL COLLAR LENGTH: 250 FT I.D.: 2 1/4 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 4091 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 16 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 10 MINUTES ON PREFLOW.

SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 20 FT OF: GAS CUT 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: READ OUTSIDE RECORDER

TIME SET PACKER(S): 9:10 AM

TIME STARTED OFF BOTTOM: 1:10 PM

WELL TEMPERATURE: 123 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 90

FINAL CLOSED IN PERIOD MIN: 60

FINAL HYDROSTATIC PRESSURE

(A) 2395 PSI

(B) 54 PSI TO (C) 54 PSI

(D) 1798 PSI

(E) 30 PSI TO (F) 36 PSI

(G) 1804 PSI

(H) 2315 PSI

WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 5/4/83
CUSTOMER: A. L. ABERCROMBIE INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 32S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN # 13552 RANGE: 4050 CLOCK: 12

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

PRE FLOW

GAS TO SURFACE

10					
15	MERLA	1	16" WTR	103000	CFPD
20		1	18" WTR	110000	CFPD
30		1	19" WTR	113000	CFPD

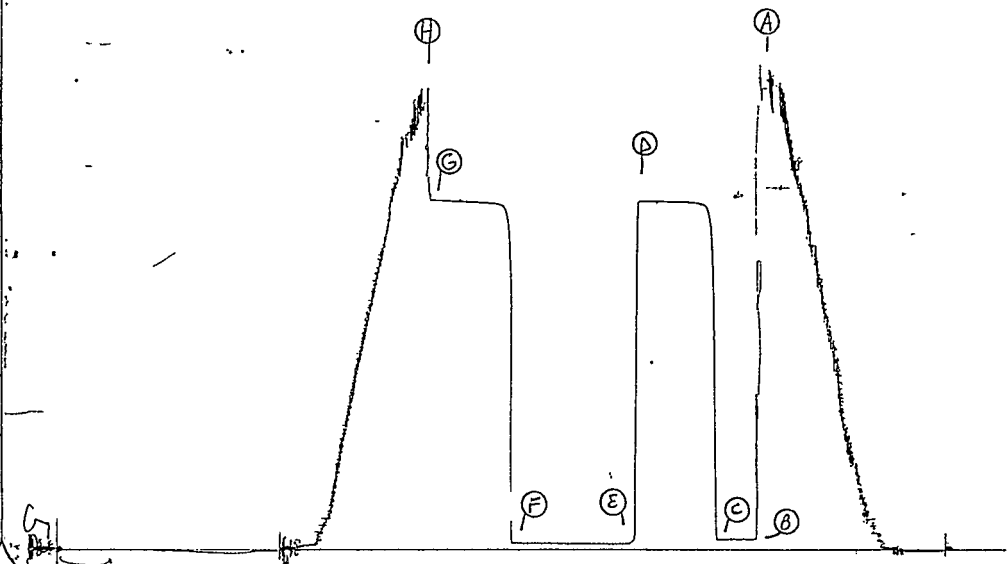
SECOND FLOW

5	MERLA	1	32" WTR	146000	CFPD
10		1	26" WTR	132000	CFPD
20		1	26" WTR	132000	CFPD
30		1	26" WTR	132000	CFPD
40		1	26" WTR	132000	CFPD
50		1	26" WTR	132000	CFPD
60		1	26" WTR	132000	CFPD
70		1	26" WTR	132000	CFPD
80		1	26" WTR	132000	CFPD
90		1	26" WTR	132000	CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 5/4/83

TKT # 18740

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WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/5/83
CUSTOMER: A.L. ABERCROMBIE
WELL: 1 TEST: 2
ELEVATION (KB): 0 FORMATION: MISSISSIPPIAN
SECTION: 35 TOWNSHIP: 32S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 4378 FT TO: 4393 FT TOTAL DEPTH: 4393 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4373 FT SIZE: 6 5/8 IN PACKER DEPTH: 4378 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REACH DRLG
MUD TYPE: PREMIX VISCOSITY: 47
WEIGHT: 10.1 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 31000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 250 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4107 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 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 5 MINUTES ON PREFLOW.

RECOVERED: 55 FT OF: GAS CUT MUD.
RECOVERED: 10 FT OF: GAS CUT MUD. SLIGHTLY OIL CUT.
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): 11:40 PM TIME STARTED OFF BOTTOM: 3:40 AM
WELL TEMPERATURE: 123 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2388 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 100 PSI TO (C) 125 PSI
INITIAL CLOSED IN PERIOD MIN: 54 (C) 1808 PSI
FINAL FLOW PERIOD MIN: 85 (E) 103 PSI TO (F) 105 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1804 PSI
FINAL HYDROSTATIC PRESSURE (H) 2342 PSI

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TICKET #18741
LEASE: TERRELL
GEOLOGIST: ?
MISSISSIPPIAN
32S
STATE: KANSAS
CLOCK: 12

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MIN
MIN
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MIN

RE	FINAL MIN	SHUT-IN PRESSURE
03	0	105
03	3	1631
03	6	1732
03	9	1761
03	12	1774
03	15	1782
03	18	1787
03	21	1791
03	24	1794
03	27	1796
03	30	1797
03	33	1798
04	36	1799
05	39	1800
05	42	1801
05	45	1802
05	48	1803
05	51	1804
	54	1804
	57	1804
	60	1804

WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 5/5/83
CUSTOMER: A.L. ABERCROMBIE
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 6W
GAUGE SN #13547

TEST: 2
FORMATION: MISSISSIPPIAN
TOWNSHIP: 32S
COUNTY: HARPER
RANGE: 4225

TICKET #18741
LEASE: TERRELL
GEOLOGIST: ?
STATE: KANSAS
CLOCK: 12

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

10	MERLA	1 1/2	50" OFWTR	493000 CFPD
20		1 1/2	60" OFWTR	539000 CFPD
30		1 1/2	70" OFWTR	583000 CFPD

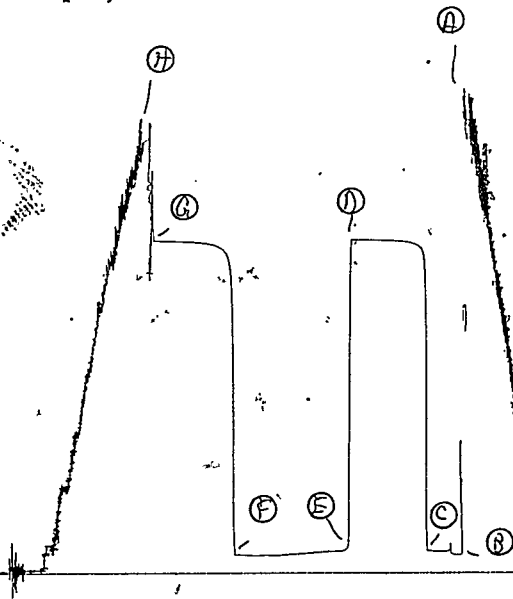
SECOND FLOW

5	MERLA	1 1/2	2.5 PSIG	595000 CFPD
10		1 1/2	2.5 PSIG	595000 CFPD
20		1 1/2	3 PSIG	654000 CFPD
30		1 1/2	3 PSIG	654000 CFPD
40		1 1/2	2.5 PSIG	595000 CFPD
50		1 1/2	2.5 PSIG	595000 CFPD
60		1 1/2	2 PSIG	527000 CFPD
70		1 1/2	2 PSIG	527000 CFPD
80		1 1/2	2 PSIG	527000 CFPD
90		1 1/2	2 PSIG	527000 CFPD

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

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WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/5/83
CUSTOMER: A.L. ABERCROMBIE
WELL: 1 TEST: 3
ELEVATION (KB): 0 FORMATION: MISSISSIPPIAN
SECTION: 35 TOWNSHIP: 32S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 4393 FT TO: 4408 FT TOTAL DEPTH: 4408 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4388 FT SIZE: 6 5/8 IN PACKER DEPTH: 4393 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REACH DRLG
MUD TYPE: PREMIX VISCOSITY: 50
WEIGHT: 9.9 WATER LOSS (CC): 8.0
CHLORIDES (P.P.M.): 39000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 250 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4122 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 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 22 MINUTES ON PREFLOW.

RECOVERED: 30	FT	OF: GAS CUT 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: SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

TIME SET PACKER(S): 3:35 PM	TIME STARTED OFF BOTTOM: 7:35 PM
WELL TEMPERATURE: 123 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2422 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 49 PSI TO (C) 49 PSI
INITIAL CLOSED IN PERIOD MIN: 54	(D) 1813 PSI
FINAL FLOW PERIOD MIN: 85	(E) 36 PSI TO (F) 42 PSI
FINAL CLOSED IN PERIOD MIN: 57	(G) 1812 PSI
FINAL HYDROSTATIC PRESSURE:	(H) 2331 PSI

WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 5/5/83
CUSTOMER: A.L. ABERCROMBIE
WELL: 1 TEST: 3
ELEVATION (KB): 0 FORMATION: MISSISSIPPIAN
SECTION: 35 TOWNSHIP: 32S
RANGE: 6W COUNTY: HARPER 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

25	MERLA	1	6" OF WTR	63300 CFPD
30		1	5" OF WTR	57700 CFPD

SECOND FLOW

5	MERLA	1	7" OF WTR	68300 CFPD
10		1	7" OF WTR	68300 CFPD
20		1	9" OF WTR	77500 CFPD
30		1	9" OF WTR	77500 CFPD
40		1	9" OF WTR	77500 CFPD
50		1	11" OF WTR	85900 CFPD
60		1	11" OF WTR	85900 CFPD
70		1	11" OF WTR	85900 CFPD
80		1	11" OF WTR	85900 CFPD
90		1	11" OF WTR	85900 CFPD

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

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