

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/31/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: #1 TEST: 1
ELEVATION (KB): 1550 FORMATION: KC
SECTION: 32 TOWNSHIP: 27S
RANGE: 6W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3500 FT TO: 3516 FT TOTAL DEPTH: 3516 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3495 FT SIZE: 6 3/4 IN PACKER DEPTH: 3500 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS

MUD TYPE: CHEM VISCOSITY: 33
WEIGHT: 9.3 WATER LOSS (CC): N/C
CHLORIDES (P.P.M.): 20000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3300 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 16 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 XH IN

BLOW: STRONG BLOW THROUGHOUT BOTH FLOW PERIODS.

RECOVERED: 1100 FT OF: GAS ABOVE FLUID.
RECOVERED: 120 FT OF: MUDDY OIL; 40% OIL; 20% WTR; 40% MUD.
RECOVERED: 180 FT OF: WATER; CHLORIDES 86000 P.P.M.
RECOVERED: FT OF:
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RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 3:30 A.M. TIME STARTED OFF BOTTOM: 8:00 A.M.
WELL TEMPERATURE: 110 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1695 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 51 PSI TO (C) 76 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1303 PSI
FINAL FLOW PERIOD MIN: 90 (E) 89 PSI TO (F) 142 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1253 PSI
FINAL HYDROSTATIC PRESSURE (H) 1671 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

TICKET #8279

LEASE: M & R FARMS "A"

TEST: 1

GEOLOGIST: KLAUER

FORMATION: KC

TOWNSHIP: 27S

COUNTY: KINGMAN

STATE: KANSAS

RANGE: 4025

CLOCK: 12

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TIME - GIVEN TIME - ACTUAL

30 MIN 30 MIN

60 MIN 60 MIN

90 MIN 90 MIN

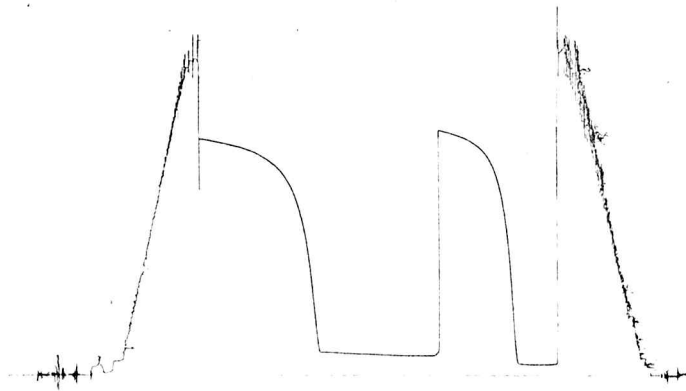
90 MIN 90 MIN

PRESSURE BREAKDOWN

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1559
DST #1

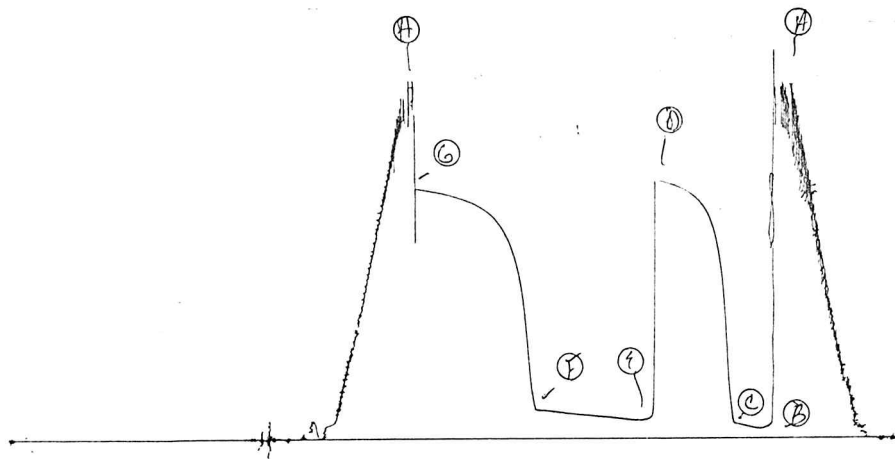
JKT # 8279
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13402
DST #1

JK # 8275

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WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/1/85
CUSTOMER: PICKRELL DRILLING COMPANY INC.
WELL: #1 TEST: 2
ELEVATION (KB): 1550 FORMATION: MISS
SECTION: 32 TOWNSHIP: 27S
RANGE: 6W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3879 FT TO: 3892 FT TOTAL DEPTH: 3892 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3874 FT SIZE: 6 3/4 IN PACKER DEPTH: 3879 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS
MUD TYPE: CHEM VISCOSITY: 50
WEIGHT: 9.3 WATER LOSS (CC): 10.2
CHLORIDES (P.P.M.): 9000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3679 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 13 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 XH IN

BLOW: STRONG BLOW GAS TO SURFACE IN 10 MINUTES.
SEE GAS FLOW SHEET.

RECOVERED: 90 FT OF: WATERY GASSY MUD- FEW OIL SPOTS.
RECOVERED: 300 FT OF: WATER; FEW OIL SPOTS; CHLORIDES 112000 P.P.M.
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REMARKS: PLUGGING ACTION INITIAL FLOW PERIODD.

TIME SET PACKER(S): 3:50 P.M. TIME STARTED OFF BOTTOM: 8:20 P.M.
WELL TEMPERATURE: 110 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1965 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 68 PSI TO (C) 96 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1388 PSI
FINAL FLOW PERIOD MIN: 90 (E) 92 PSI TO (F) 144 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1396 PSI
FINAL HYDROSTATIC PRESSURE (H) 1925 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 1/1/85
CUSTOMER: PICKRELL D
WELL: #1
ELEVATION (KB): 1550
SECTION: 32
RANGE: 6W
GAUGE SN #13402

TEST: 2
FO
TO
COUNTY: KINGMAN
RANGE: 4025

TICKET #8280
LEASE: M & R FARMS "A"
GEOLOGIST: KLAUER
MISS
275
STATE: KANSAS'
CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1965	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	68	PSI
(C)	FIRST FINAL FLOW PRESSURE:	96	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1388	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	92	PSI
(F)	SECOND FINAL FLOW PRESSURE:	144	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1396	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1925	PSI
WELL TEMPERATURE:		110	'F
OPEN TOOL: 3:50 P.M.			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	90 MIN	90 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN.

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #8280

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1396
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WESTERN TESTING COMPANY INC.
GAS FLOW REPORT

DATE: 1/1/85
CUSTOMER: PICKRELL DRILLING COMPANY INC.
WELL: #1
ELEVATION (KB): 1550
SECTION: 32
RANGE: 6W
GAUGE SN #13402

TEST: 2
FORMATION: MISS
TOWNSHIP: 27S
COUNTY: KINGMAN
RANGE: 4025

TICKET #8280
LEASE: M & R FARMS "A"
GEOLOGIST: KLAUER
STATE: KANSAS
CLOCK: 12

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

20	MERLA	1/2	2 PSIG	47700 CFPD
30		"	2.5 PSIG	53400 " "

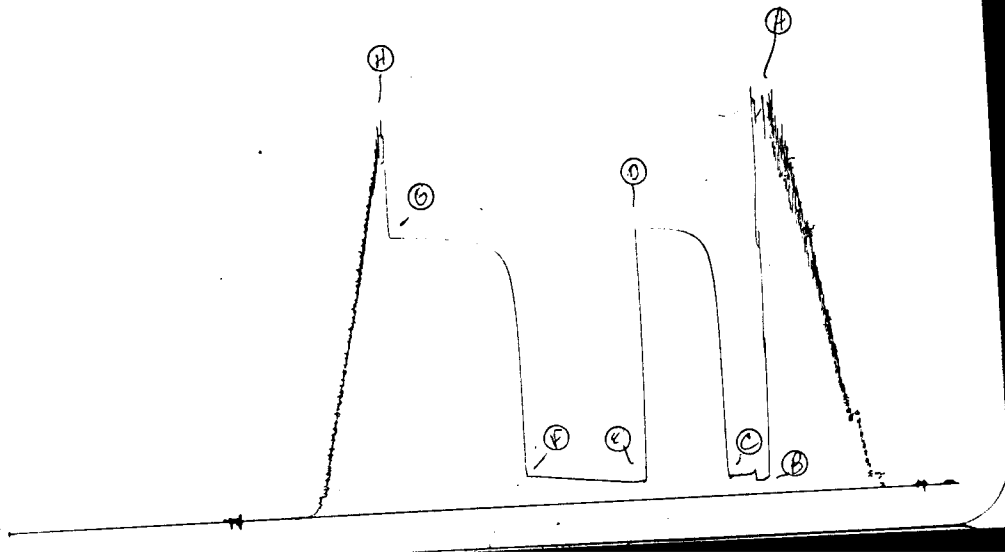
SECOND FLOW

10	MERLA	1/2	3.5 PSIG	64000 CFPD
20		"	"	"
30		"	"	"
40		"	"	"
50		"	"	"
60		"	"	"
70		"	"	"
80		"	"	"
90		1/2	3.5 PSIG	64000 CFPD

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

13402
DST #2

JKT # 8280
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1559
DST #2

JK # 8280
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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/3/85 TICKET #8282
CUSTOMER: PICKRELL DRILLING COMPANY LEASE: "A" M & R FARMS
WELL: 1 TEST: 3 GEOLOGIST: KLAVER
ELEVATION (KB): 1550 FORMATION: VIOLA
SECTION: 32 TOWNSHIP: 27S
RANGE: 6W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4240 FT TO: 4277 FT TOTAL DEPTH: 4277 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4235 FT SIZE: 6 3/4 IN PACKER DEPTH: 4240 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG
MUD TYPE: CHEMICAL VISCOSITY: 43
WEIGHT: 9.3 WATER LOSS (CC): 16.2
CHLORIDES (P.P.M.): 13000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4040 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 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: INITIAL FLOW PERIOD WEAK BLOW
DECREASING TO A VERY WEAK BLOW.
FINAL FLOW PERIOD NO BLOW.
FLUSHED TOOL; NO HELP.

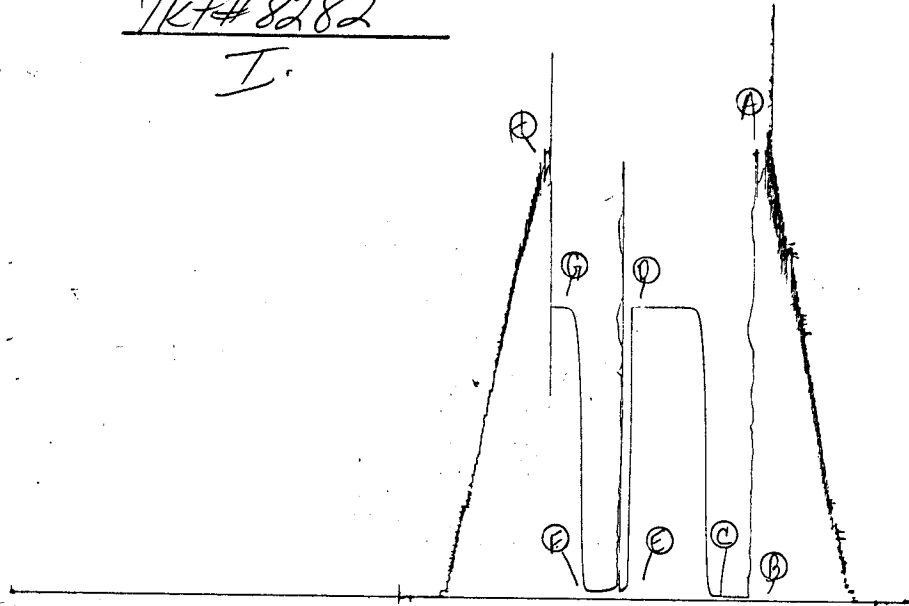
RECOVERED: 30 FT OF: MUD.
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REMARKS:

TIME SET PACKER(S): 6:30 AM TIME STARTED OFF BOTTOM: 9:00 AM
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2211 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 20 PSI TO (C) 23 PSI
INITIAL CLOSED IN PERIOD MIN: 66 (D) 1486 PSI
FINAL FLOW PERIOD MIN: 30 (E) 69 PSI TO (F) 41 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 1480 PSI
FINAL HYDROSTATIC PRESSURE (H) 2198 PSI

101-2
DST #3

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DST #3

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