

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/22/84
CUSTOMER: A SCOTT RITCHIE
WELL: 1
ELEVATION (KB): 1986
SECTION: 20
RANGE: 17W
GAUGE SN #6234
TEST: 1
FORMATION: LANSING "A"
TOWNSHIP: 16S
COUNTY: RUSH
STATE: KANSAS
RANGE: 4500
CLOCK: 12
TICKET #3936
LEASE: MERMIS
GEOLOGIST: LOUIS

INTERVAL TEST FROM: 3258 FT TO: 3296 FT TOTAL DEPTH: 3296 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3253 FT SIZE: 6 3/4 IN PACKER DEPTH: 3258 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN
MUD TYPE: STARCH VISCOSITY: 40
WEIGHT: 9.6 WATER LOSS (CC): 15.8
CHLORIDES (P.P.M.): 50000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3238 FT I.D.: 3.6 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 38 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: INITIAL FLOW PERIOD WEAK BLOW -
DEAD IN 16 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 10	FT	OF: MUD
RECOVERED:	FT	OF: CHLORIDES 59000 PPM
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): 2:45 PM	TIME STARTED OFF BOTTOM: 4:45 PM
WELL TEMPERATURE: 111 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 1645 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 25 PSI TO (C) 25 PSI
INITIAL CLOSED IN PERIOD MIN: 27	(D) 34 PSI
FINAL FLOW PERIOD MIN: 30	(E) 18 PSI TO (F) 18 PSI
FINAL CLOSED IN PERIOD MIN: 30	(G) 26 PSI
FINAL HYDROSTATIC PRESSURE	(H) 1645 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/22/84

CUSTOMER: A SCOTT RITCHIE

CLOCK: 12

TIME - GIVEN TIME - ACTUAL

FINAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

PRESSURE BREAKDOWN

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TKT # 3936

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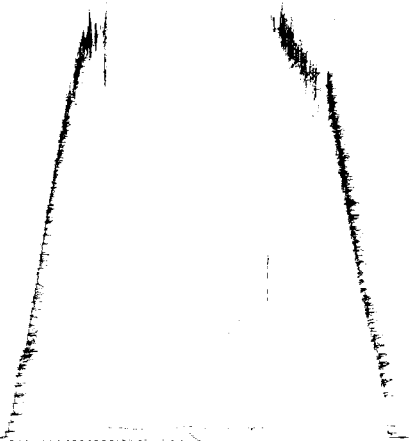
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TKT # 3936

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/23/84
CUSTOMER: A SCOTT RITCHIE
WELL: 1
ELEVATION (KB): 1986
SECTION: 20
RANGE: 17W
GAUGE SN #6234

TEST: 2
FORMATION: LANSING "B"
TOWNSHIP: 16S
COUNTY: RUSH
RANGE: 4500

TICKET #3937
LEASE: MERMIS
GEOLOGIST: LOUIS
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3312 FT TO: 3336 FT TOTAL DEPTH: 3336 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3307 FT SIZE: 6 3/4 IN PACKER DEPTH: 3312 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN

MUD TYPE: STARCH

VISCOSITY: 40

WEIGHT: 9.6

WATER LOSS (CC): 15.8

CHLORIDES (P.P.M.): 50000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW?

REVERSED OUT?

DRILL COLLAR LENGTH:

FT I.D.: IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 3292

FT I.D.: 3.6 IN

TEST TOOL LENGTH: 20

FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 24

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: WEAK TO FAIR BLOW - 4 INCHES IN
BUCKET - BOTH FLOW PERIODS.

RECOVERED: 100	FT	OF: MUDDY WATER WITH FEW SPOTS OF OIL
RECOVERED:	FT	OF: CHLORIDES 68000 PPM
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): 6:45 AM

TIME STARTED OFF BOTTOM: 9:15 AM

WELL TEMPERATURE: 111 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1709 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 32 PSI TO (C) 37 PSI

INITIAL CLOSED IN PERIOD MIN: 48

(D) 793 PSI

FINAL FLOW PERIOD MIN: 30

(E) 45 PSI TO (F) 50 PSI

FINAL CLOSED IN PERIOD MIN: 45

(G) 727 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1662 PSI

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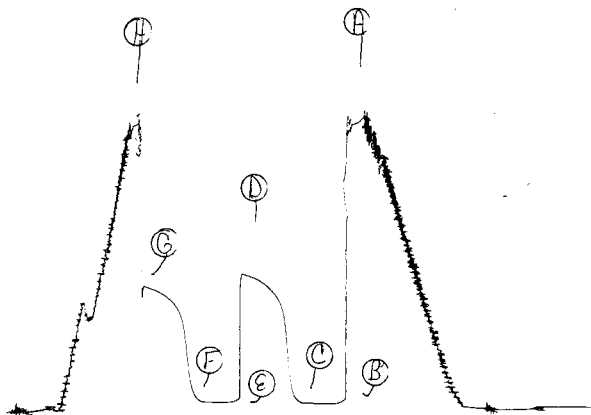
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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/24/84
CUSTOMER: A. SCOTT RITCHIE INC.
WELL: 1
ELEVATION (KB): 1986
SECTION: 20
RANGE: 17W
GAUGE SN #6234

TEST: 3
FORMATION: ARBUCKLE
TOWNSHIP: 16S
COUNTY: RUSH
RANGE: 4500

TICKET #3938
LEASE: MERMIS
GEOLOGIST: LOUIS
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3508 FT TO: 3560 FT TOTAL DEPTH: 3560 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3503 FT SIZE: 6 3/4 IN Packer DEPTH: 3508 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN DRLG
MUD TYPE: STARCH VISCOSITY: 35
WEIGHT: 9.6 WATER LOSS (CC): 18.4
CHLORIDES (P.P.M.): 48000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? GAS REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3488 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 52 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 FH IN

BLOW: INITIAL FLOW PERIOD STRONG BLOW IN 1 MINUTE.
GAS TO SURFACE IN 15 MINUTES. TOO SMALL TO MEASURE.
FINAL FLOW PERIOD STRONG BLOW IN
4 MINUTES. GAS TO SURFACE. TOO SMALL TO MEASURE.

RECOVERED: 1080	FT	OF: MUDDY GASSY WATER WITH A 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:

REMARKS: INITIAL FLOW PERIOD: PRESSURES
QUESTIONABLE DUE TO TOOL SETTLED
OUT ON BOTTOM.

TIME SET PACKER(S): 9:30 AM	TIME STARTED OFF BOTTOM: 11:30 AM
WELL TEMPERATURE: 118 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 1781 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 420 PSI TO (C) 390 PSI
INITIAL CLOSED IN PERIOD MIN: 33	(D) 1005 PSI
FINAL FLOW PERIOD MIN: 30	(E) 432 PSI TO (F) 517 PSI
FINAL CLOSED IN PERIOD MIN: 30	(G) 953 PSI
FINAL HYDROSTATIC PRESSURE	(H) 1759 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/24/84	TICKET #3938
CUSTOMER: A. SCOTT RITCHIE INC.	LEASE: MERMIS
WELL: 1	TEST: 3
ELEVATION (KB): 1986	GEOLOGIST: LOUIS
SECTION: 20	FORMATION: ARBUCKLE
RANGE: 17W	TOWNSHIP: 16S
COUNTY: RUSH	STATE: KANSAS
GAUGE SN #6234	RANGE: 4500
	CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1781	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	420	PSI
(C)	FIRST FINAL FLOW PRESSURE:	390	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1005	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	432	PSI
(F)	SECOND FINAL FLOW PRESSURE:	517	PSI
(G)	FINAL CLOSED-IN PRESSURE:	953	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1759	PSI
WELL TEMPERATURE:		118	'F
OPEN TOOL: 9:30 AM			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	30 MIN	33 MIN
SECOND FLOW PRESSURE:	30 MIN	30 MIN
FINAL CLOSED-IN PRESSURE:	30 MIN	30 MIN

PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	420	0	390	0	432	0	517
2	5	436	3	567	5	432	3	712
3	10	387	6	761	10	441	6	792
4	15	397	9	835	15	457	9	838
5	20	413	12	880	20	479	12	867
6	25	388	15	913	25	502	15	887
7	30	390	18	938	30	517	18	908
8			21	957			21	922
9			24	977			24	934
10			27	986			27	943
11			30	997			30	953
12			33	1005				

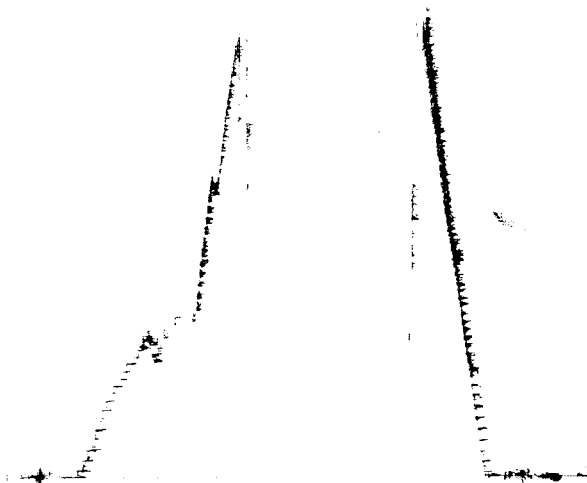
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