



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company K.R.M. Petroleum Corp. Lease & Well No. Marchand #1
 Elevation 1825 Kelly Bushing Formation Chase Group Effective Pay - Ft. Ticket No. 23185
 Date 8-20-77 Sec. 31 Twp. 20S Range 11W County Barton State Kansas
 Test Approved by J. Copeland Landes Western Representative Max Knipe
 Formation Test No. #1 O.K. Misrun Interval Tested From 1527' to 1645' Total Depth 1645'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 1522 Ft. Size 6 3/4 Bottom Packer Depth 1527 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 118 Ft. Size 5 1/2 OD 93' WT Pipe Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 1534 Ft. Clock No. 8476 Depth 1537 Ft. Clock No. 6859
 Top Make Kuster Cap. 4300 No. 1567 Inside Outside Bottom Make Kuster Cap. 4250 No. 1051 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
 Time Set Packer 2:27A M
 Tool Open I.F.P. From 2:30A M. to 3:00A M. - Hr. 30 Min. From (B) 52 P.S.I. To (C) 69 P.S.I.
 Tool Closed I.C.I.P. From 3:00A M. to 3:45A M. - Hr. 45 Min (D) 435 P.S.I.
 Tool Open F.F.P. From 3:45A M. to 4:30A M. - Hr. 45 Min. From (E) 103 P.S.I. To (F) 112 P.S.I.
 Tool Closed F.C.I.P. From 4:30A M. to 5:30A M. - Hr. 60 Min. (G) 412 P.S.I.
 Initial Hydrostatic Pressure (A) 796 P.S.I. Final Hydrostatic Pressure (H) 790 P.S.I. Maximum Temp. 80

INFORMATION

BLOW 3" blow increased to 4" by end of second flow period
 Did Well Flow Yes No Recovery Total Fr. 25' Mud, 120' thin watery mud
 Reversed Out Yes No Mud Type Starch Viscosity 60 Weight 9.6 Water Loss - cc. Chlorides -
 EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size 4 3/4 OD In. Make WTC Ser. No. 410
 Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
 DRILLING CONTRACTOR Big Springs Drlg. Co. Length Drill Pipe? 1367 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
 Length Weight Pipe 123 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.
 Tool Joint Size - In. Length D.S.T. Tool 155 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 8-20-77

Test Ticket No. 23185

Recorder No. 1567 Capacity 4300

Location 1534 Ft.

Clock No. 1567 Elevation 1825 Kelly Bushing

Well Temperature 80 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	796	P.S.I.	2:27AM	
B First Initial Flow Pressure	52	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	69	P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	435	P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	103	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	112	P.S.I.		
G Final Closed-in Pressure	412	P.S.I.		
H Final Hydrostatic Mud	790	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	69	0	103	0	112
P 2	5	3	173	5	86	3	197
P 3	10	6	283	10	88	6	267
P 4	15	9	329	15	93	9	307
P 5	20	12	359	20	97	12	331
P 6	25	15	378	25	99	15	346
P 7	30	18	392	30	104	18	357
P 8		21	400	35	106	21	368
P 9		24	409	40	110	24	374
P10		27	413	45	112	27	381
P11		30	418			30	385
P12		33	422			33	392
P13		36	426			36	396
P14		39	428			39	398
P15		42	433			42	400
P16		45	435			45	402
P17						48	407
P18						51	409
P19						54	410
P20						57	411
						60	412

TK#23185

I.

