



Home Office: Great Bend, Kansas  
P. O. Box 793 (316) 793-7903

Company Graham-Michaels Drilling Co. Lease & Well No. UHL 1-9

Elevation 2105 Kelly Bushings Formation Mississippian Effective Pay \_\_\_\_\_ Ft. Ticket No. 15345

Date 12-22-70 Sec. 9 Twp. 31 Range 18W County Comanche State Kansas

Test Approved by Jack L Yinger Western Representative Guy Max Knife

Formation Test No. 1 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4988' to 5036' Total Depth 5036'

Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged Yes  No Conv. \_\_\_\_\_ B.T.  Damaged Yes  No

Packer Depth 4883 Ft. Size 6 3/4" Packer Depth 4988 Ft. Size 6 3/4"

Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No  Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 48 Ft. Size 30' DC 18' Perf.

RECORDERS Depth 5028 Ft. Clock No. 6800 Depth 5031 Ft. Clock No. 9712

Top Make Kuster Cap. 4150 No. 2605 Inside \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make Kuster Cap. 4250 No. 1051 Inside \_\_\_\_\_ Outside \_\_\_\_\_

Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 3:22 A. M

Tool Open I.F.P. From 3:25 M. to 3:30A. M. Hr. 5 Min. From (B) 84 P.S.I. To (C) 80 P.S.I.

Tool Closed I.C.I.P. From 3:30 M. to 4:00A. M. Hr. 30 Min. (D) 1604 P.S.I.

Tool Open F.F.P. From 4:00 M. to 5:00A. M. Hr. 1 Min. From (E) 42 P.S.I. To (F) 93 P.S.I.

Tool Closed F.C.I.P. From 5:00 M. to 5:30A. M. Hr. 30 Min. (G) 1400 P.S.I.

Initial Hydrostatic Pressure (A) 2613 P.S.I. Final Hydrostatic Pressure (H) 2613 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_

INFORMATION Gas surface on 2nd flow period 1 1/2" water to 175,000 HCF

To small to gage \_\_\_\_\_ M. \_\_\_\_\_

\_\_\_\_\_ M. \_\_\_\_\_

BLOW Strong gas to surface 35 min. Bottom Choke Size 3/4 In.

Did Well Flow  Yes \_\_\_\_\_ No \_\_\_\_\_ Recovery Total Ft. 40 feet gas cut mud 180 feet slightly oil and gas cut mud

60 feet heavy oil & gas cut mud 120 feet gassy muddy oil

Reversed Out \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Mud Type Starch Viscosity 44 Weight 9.5 Water Loss 3.2 cc. Maximum Temp. 118 °F

Type Circ. Sub. Pin Did Tool Plug? No Jars: Size 4 1/2 O.D. Make WTC Ser. No. 407

EXTRA EQUIPMENT: Dual Packers 2 Safety Joint Yes Did Packer Hold? Yes Where? \_\_\_\_\_

Length Drill Pipe 3733 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1040 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 189 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 74 ft.

Remarks \_\_\_\_\_

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**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 12-22-70 Test Ticket No. 15345  
 Recorder No. 2605 Capacity 4150 Location 5028 Ft.  
 Clock No. 6800 Elevation 2105 Kelly Bushings Well Temperature 118 °F

Point	Pressure	P.S.I.	Description	Time	
				Given	Computed
A	2613	P.S.I.	Open Tool	3:22	A. M.
B	84	P.S.I.	First Flow Pressure	5	Mins. 5 Mins.
C	80	P.S.I.	Initial Closed-in Pressure	30	Mins. 30 Mins.
D	1604	P.S.I.	Second Flow Pressure	60	Mins. 57 Mins.
E	42	P.S.I.	Final Closed-in Pressure	30	Mins. 30 Mins.
F	93	P.S.I.			
G	1400	P.S.I.			
H	2613	P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>10</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 _____ Min.		final inc. of _____ Min.		final inc. of <u>2</u> Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	84	0	80	0	42	0	93
P 2	80	3	744	5	35	3	580
P 3		6	1246	10	33	6	893
P 4		9	1437	15	37	9	1093
P 5		12	1531	20	46	12	1204
P 6		15	1564	25	52	15	1279
P 7		18	1583	30	59	18	1321
P 8		21	1591	35	67	21	1352
P 9		24	1598	40	71	24	1373
P10		27	1602	45	80	27	1389
P11		30	1604	50	86	30	1400
P12				55	90		
P13				57	93		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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