



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

Company Kathol Petroleum Inc. Lease & Well No. Wooldridge #1
 Elevation 1565 Derreck Floor Formation Mississippian Effective Pay _____ Ft. Ticket No. 15744
 Date Dec. 14, 1971 Sec. 21 Twp. 27S Range 7W County Kingman State Kansas
 Test Approved by Jay R. Dirks Western Representative Ernest Luckert

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 3866' to 3874' Total Depth 3874'
 Size Main Hole 7 7/8" Hole _____ Conv. B.T. _____ Damaged _____ Yes No Conv. _____ B.T. Damaged _____ Yes No
 Packer Depth 3877 Ft. Size 6 3/4" Packer Depth 3861 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 8 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3852 Above Packer Ft. Clock No. 6894 Depth 3869 Ft. Clock No. 6896
 Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 Inside Outside
 Below Straddle: Depth _____ Clock No. _____ Inside Outside Depth _____ Ft. Clock No. _____ Inside Outside
 Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 6:56 A. M.
 Tool Open I.F.P. From 7:00 M. to 7:30 M. Hr. 30 Min. From (B) 120¹²⁰ P.S.I. To (C) 106¹⁰⁵ P.S.I.
 Tool Closed I.C.I.P. From 7:30 M. to 8:00 M. Hr. 30 Min. (D) 1420 - 1412 P.S.I.
 Tool Open F.F.P. From 8:00 M. to 9:15 M. Hr. 75 Min. From (E) 80⁸⁰ P.S.I. To (F) 89⁸⁹ P.S.I.
 Tool Closed F.C.I.P. From 9:15 M. to 9:45 M. Hr. 30 Min. (G) 1412 1405 P.S.I.
 Initial Hydrostatic Pressure (A) 2073 2062 P.S.I. Final Hydrostatic Pressure (H) 2061 2050 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
See Gas-sheet _____ M. _____
 _____ M. _____

BLOW Strong throughout - Gas to Surface in 3 minutes Bottom Choke Size 3/4 In.
 Did Well Flow Yes _____ No _____ Recovery Total Ft. 120 feet Muddy Salt water

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 39 Weight 9.9 Water Loss 15.6 cc. Maximum Temp 107 °F
 Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____
 EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
 Length Drill Pipe 2761 ft. I.D. Drill Pipe 3.75 in. Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D.S.T. Tool 33 ft.

Remarks _____

Test Ticket No. 15744

COMPANY Kathol Petroleum Inc. LEASE & WELL NO. Wooldridge #1

Location 3852

TEST NO. #2 INTERVAL TESTED FROM 3866' TO 3874'

Well Temperature 107

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
10 mins.	5" Water	310,000 GPPF
20 "	5.4 "	324,000 "
30 "	5.4 "	324,000 "
SECOND FLOW		
10 mins.	8" Water	396,000 GPPF
20 "	8" "	396,000 "
30 "	9" "	416,000 "
40 "	9" "	416,000 "
50 "	9" "	416,000 "
60 "	9" "	416,000 "
70 "	9" "	416,000 "
75 "	9" "	416,000 "
SIZE CHOKE <u>1</u> SURFACE IN. BOTTOM <u>3/4</u> IN.		
REMARKS <u>Gas to Surface in 3 minutes</u>		
<u>Kathol Petroleum caught Gas Sample with their bottle</u>		
P13		60
P14		65
P15		70
P16		75
P17		
P18		
P19		
P20		

Time Given	Co
6:56	4.41
30 Mins	30
30 Mins	27
75 Mins	75
30 Mins	30
Pressure	
Inc.	Final Shut
and a	Breakdown: <u>10</u>
Min.	of <u>3</u> mins.
Final inc. of	
Point	
Minutes	
80	0
80	3
80	6
80	9
82	12
82	15
85	18
85	21
85	24
85	27
85	30
89	
89	
89	
89	

Pressure Data

Date Dec. 14, 1971 Test Ticket No. 15744
 Recorder No. 3086 Capacity 4500 Location 3852 Ft.
 Clock No. 6894 Elevation 1565 Derrick Floor Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2073</u> P.S.I.	Open Tool	<u>6:56</u> <u>4.45</u>	
B First Initial Flow Pressure	<u>120</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>106</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1420</u> P.S.I.	Second Flow Pressure	<u>75</u> Mins.	<u>75</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>89</u> P.S.I.			
G Final Closed-in Pressure	<u>1412</u> P.S.I.			
H Final Hydrostatic Mud	<u>2061</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Second Flow Pressure
 Breakdown: 15 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>120</u>	<u>0</u>	<u>106</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>89</u>
P 2 <u>5</u>	<u>118</u>	<u>3</u>	<u>1322</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>1299</u>
P 3 <u>10</u>	<u>116</u>	<u>6</u>	<u>1383</u>	<u>10</u>	<u>80</u>	<u>6</u>	<u>1371</u>
P 4 <u>15</u>	<u>104</u>	<u>9</u>	<u>1399</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>1388</u>
P 5 <u>20</u>	<u>104</u>	<u>12</u>	<u>1409</u>	<u>20</u>	<u>82</u>	<u>12</u>	<u>1395</u>
P 6 <u>25</u>	<u>104</u>	<u>15</u>	<u>1413</u>	<u>25</u>	<u>82</u>	<u>15</u>	<u>1402</u>
P 7 <u>30</u>	<u>106</u>	<u>18</u>	<u>1436</u>	<u>30</u>	<u>85</u>	<u>18</u>	<u>1404</u>
P 8 _____		<u>21</u>	<u>1416</u>	<u>35</u>	<u>85</u>	<u>21</u>	<u>1406</u>
P 9 _____		<u>24</u>	<u>1420</u>	<u>40</u>	<u>85</u>	<u>24</u>	<u>1409</u>
P10 _____		<u>27</u>	<u>1420</u>	<u>45</u>	<u>85</u>	<u>27</u>	<u>1411</u>
P11 _____				<u>50</u>	<u>85</u>	<u>30</u>	<u>1412</u>
P12 _____				<u>55</u>	<u>85</u>		
P13 _____				<u>60</u>	<u>89</u>		
P14 _____				<u>65</u>	<u>89</u>		
P15 _____				<u>70</u>	<u>89</u>		
P16 _____				<u>75</u>	<u>89</u>		
P17 _____							
P18 _____							
P19 _____							
P20 _____							

SUPERIOR TESTERS ENTERPRISES, INC.

WELL IDENTIFICATION DATA

COMPANY : K P INC. WELL NAME : WOOLDRIDGE #1
ADDRESS : LOCATION :
STATE & COUNTY : KANSAS, KINGMAN FIELD :
ELEV.(GR) : (KB) : TEST DATE : 12-14-71

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 2761
TEST INT. KB : 3866 to 3874 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 8 WEIGHT PIPE LENGTH(ft) : 1080
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kg) : 3874 DRILL COLLAR LENGTH(ft) : NONE
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : NONE
MUD WEIGHT : 9.9 TOP PACKER DEPTH(kb) : 3877
MUD VISCOSITY : 39 BOTTOM PACKER DEPTH(kb) : 3861
MUD CHLORIDES : DUAL PACKERS : YES
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : YES
RESERVOIR TEMPERATURE(F) : 107 TEST TICKET NUMBER :

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 13203
RANGE : 0 - 4425 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1110.69 * Defl. - 6.52

SURFACE BLOW

1st Opening : STRONG THROUGHOUT
2nd Opening :

RECOVERY

Recovered 120 feet of MUDDY SALT WATER

REMARKS :

GAS TO SURFACE IN 3 MIN.

WITNESSED BY : TOOL OPERATOR :

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : K P INC.
 DATE OF TEST : 12-14-71
 DEPTH : 3852.0

WELL NAME : WOOLDRIDGE #1
 LOCATION :
 SERIAL NO. : 13203

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 2					
Depth : 3852.0 ft-kb					
- 0:00	0.0	1.868	2068.24	-6.02	2062.22
- 0:00	0.0	1.868	2068.24	-6.02	2062.22
-1ST HYDROSTATIC	0.0	1.868	2068.24	-6.02	2062.22
-07:00 1ST FLOW	0.0	.109	114.54	5.50	120.04
- 7:05	5.0	.107	112.32	5.52	117.84
- 7:10	10.0	.105	110.10	5.54	115.64
- 7:15	15.0	.094	97.88	5.64	103.52
- 7:20	20.0	.094	97.88	5.64	103.52
- 7:25	25.0	.094	97.88	5.64	103.52
- 7:30	30.0	.096	100.10	5.62	105.73
-07:30 END FLOW	0.0	.096	100.10	5.62	105.73
- 7:33	3.0	1.193	1318.53	-3.26	1315.27
- 7:36	6.0	1.249	1380.73	-3.51	1377.21
- 7:39	9.0	1.263	1396.27	-3.58	1392.70
- 7:42	12.0	1.272	1406.27	-3.62	1402.65
- 7:45	15.0	1.276	1410.71	-3.63	1407.08
- 7:48	18.0	1.278	1412.94	-3.64	1409.29
- 7:51	21.0	1.278	1412.94	-3.64	1409.29
- 7:54	24.0	1.282	1417.38	-3.66	1413.72
- 7:57	27.0	1.282	1417.38	-3.66	1413.72
-07:57 1ST SHUT-IN	0.0	1.282	1417.38	-3.66	1413.72
- 7:57	0.0	.073	74.56	5.84	80.40
-07:57 2ND FLOW	0.0	.073	74.56	5.84	80.40
- 8:02	5.0	.073	74.56	5.84	80.40
- 8:07	10.0	.073	74.56	5.84	80.40
- 8:12	15.0	.073	74.56	5.84	80.40
- 8:17	20.0	.075	76.78	5.82	82.60
- 8:22	25.0	.075	76.78	5.82	82.60
- 8:27	30.0	.077	79.00	5.80	84.80
- 8:32	35.0	.077	79.00	5.80	84.80
- 8:36	39.0	.077	79.00	5.80	84.80
- 8:41	44.0	.077	79.00	5.80	84.80
- 8:46	49.0	.077	79.00	5.80	84.80
- 8:51	54.0	.077	79.00	5.80	84.80
- 8:56	59.0	.081	83.44	5.76	89.21
- 9:02	65.0	.081	83.44	5.76	89.21
- 9:07	70.0	.081	83.44	5.76	89.21
- 9:12	75.0	.081	83.44	5.76	89.21
-09:12 END FLOW	0.0	.081	83.44	5.76	89.21
- 9:15	3.0	1.173	1296.31	-3.17	1293.14

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : K P INC.
 DATE OF TEST : 12-14-71
 DEPTH : 3852.0

WELL NAME : WOOLDRIDGE #1
 LOCATION :
 SERIAL NO. : 13203

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:2					
- 9:18	6.0	1.238	1368.51	-3.46	1365.04
- 9:21	9.0	1.253	1385.17	-3.53	1381.64
- 9:24	12.0	1.259	1391.83	-3.56	1388.27
- 9:27	15.0	1.266	1399.61	-3.59	1396.02
- 9:30	18.0	1.268	1401.83	-3.60	1398.23
- 9:33	21.0	1.269	1402.94	-3.60	1399.34
- 9:36	24.0	1.272	1406.27	-3.62	1402.65
- 9:39	27.0	1.274	1408.49	-3.63	1404.87
- 9:42	30.0	1.275	1409.60	-3.63	1405.97
-09:42 2ND SHUT-IN	0.0	1.275	1409.60	-3.63	1405.97
-2ND HYDROSTATIC	0.0	1.857	2056.02	-6.02	2050.00

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : K P INC.
DATE OF TEST : 12-14-71

WELL NAME : WOOLDRIDGE #1
LOCATION :

RECOVERY INFORMATION

LIQUID RECOVERY

Total Fluid Recovered : 120

Recovered 120 feet of MUDDY SALT WATER

GAS RECOVERY

Measured With : ORIFICE TESTER
(LBS. OF WATER)

Riser : 2

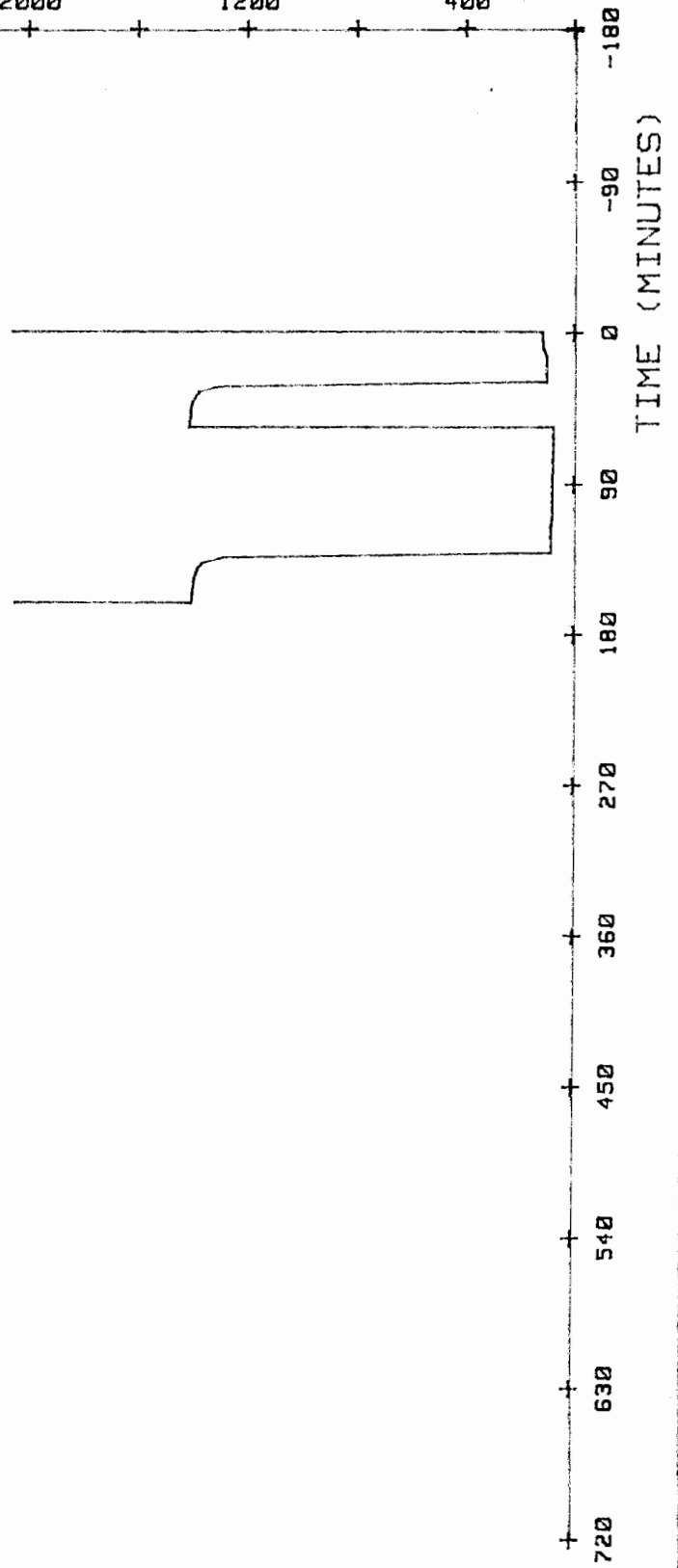
Time (min.)	Reading	Surface Choke (in.)	Cubic feet/day
7:10	5.00	0.00	310000
7:20	5.40	0.00	324000
7:30	5.40	0.00	324000
8:10	8.00	0.00	396000
8:20	8.00	0.00	396000
8:30	9.00	0.00	416000
8:40	9.00	0.00	416000
8:50	9.00	0.00	416000
9:00	9.00	0.00	416000
9:10	9.00	0.00	416000
9:15	9.00	0.00	416000

FLUID PROPERTIES

	Viscosity (cp)	Compressibility (psi ⁻¹)	Pore Space Saturation
Oil			
Gas	.2	9.2E-6	100
Water			

PRESSURE (P S I G)

4000 3600 3200 2800 2400 2000 1600 1200 800 400 0

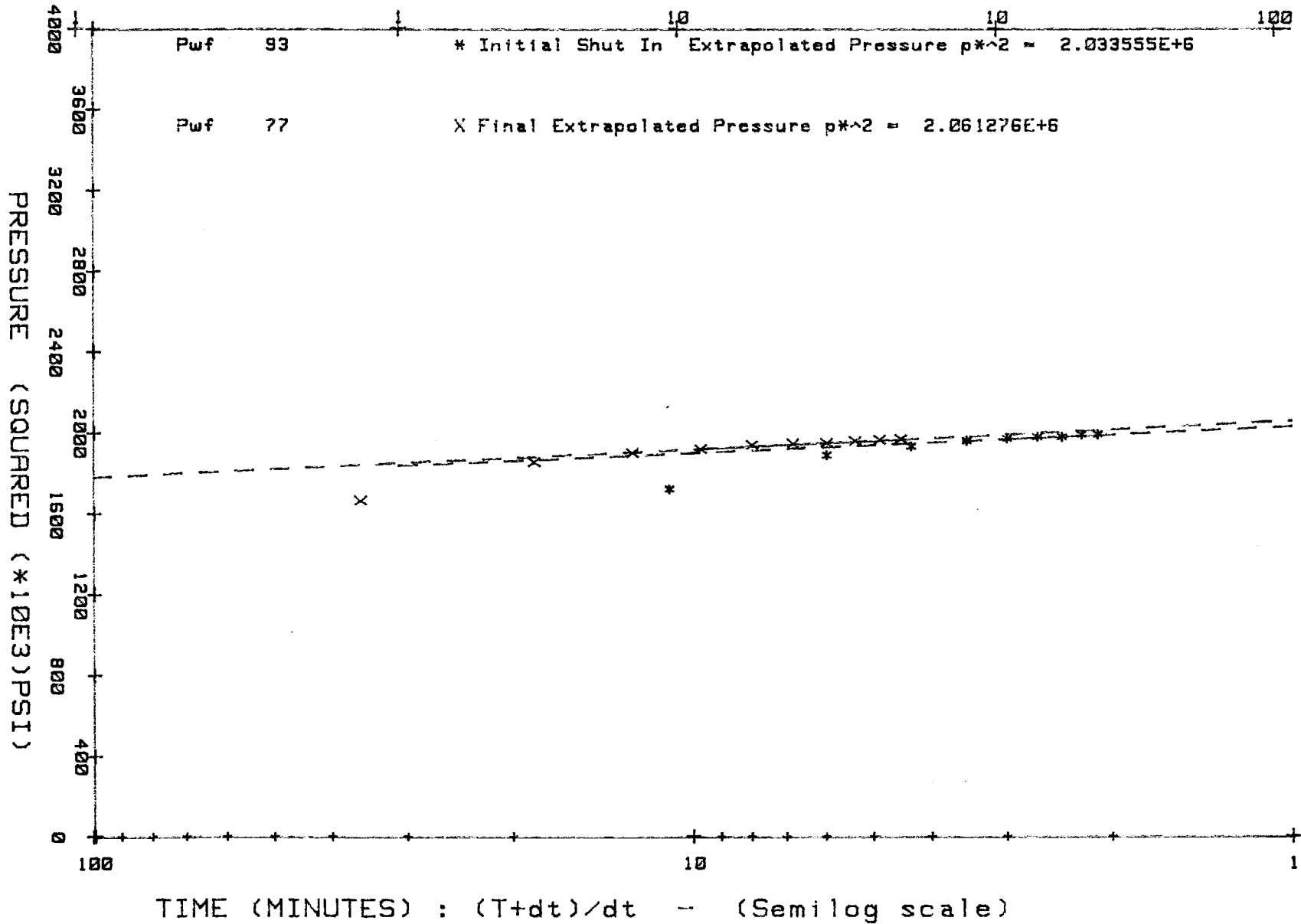


COMPANY : K P INC.
WELL : WOOLDRIDGE #1
LOCATION :
DATE : 12-14-71
GAUGE # : 13203

LOCATION :

DATE : 12-14-71

GAUGE # : 13203



SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : K P INC.
DATE OF TEST : 12-14-71
DST. NO : 2

WELL NAME : WOOLDRIDGE #1
LOCATION :
SHUT-IN PERIOD : 1

INTERPRETIVE DATA (GAS)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1426.03
Slope of Build-up Curve (psi/log cycle):	129977.80
Effective Producing Time (min):	30.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : K P INC.
DATE OF TEST : 12-14-71
DST. NO : 2

WELL NAME : WOOLDRIDGE #1
LOCATION :
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (GAS)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1435.71
Slope of Build-up Curve (psi/log cycle):	138761.27
Effective Producing Time (min):	105.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : K P INC.
 DATE OF TEST : 12-14-71
 DST. NO : 2

WELL NAME : WOOLDRIDGE #1
 LOCATION :
 SHUT-IN PERIOD : 2

INTERPRETIVE DATA (GAS)

TRANSMISSIBILITY

Oil (md.ft/cp): 0.00
 Gas (md.ft/cp):2781019.08

EFFECTIVE PERMEABILITY

Oil (md): 0.00
 Gas (md): 59096.66

TOTAL MOBILITY (md/cp): 295483.28

TOTAL COMPRESSIBILITY (psi-1):9.20E-04

ESTIMATED DAMAGE RATIO: 3.17

CALCULATED DAMAGE RATIO: 2.02

Reservoir Temperature (F): 107.00
 Formation Porosity :14
 Formation Thickness (ft): 8.00
 Wellbore Radius (in): 3.94
 Reservoir Compressibility (psi-1):4.80E-07
 Calculated Skin Factor : 8.60

PRODUCTION WITH DAMAGE REMOVED (MCF/D): 839441.11

PRODUCTIVITY INDEX (MCF/psi): 306.10

Final Flow Pressure (psi): 76.67

APPROXIMATE RADIUS OF INVESTIGATION (ft): 2044.46

Total Flowing Time (min): 105.00

EXTRAPOLATED RESERVOIR PRESSURE (psi): ¹⁴²⁶ 1435.71

Slope of Build-up Curve (psi/log cycle): 138761.27

Effective Producing Time (min): 105.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

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

Company Kathol Petroleum Inc. Lease & Well No. Wooldridge #1

Elevation 1565 Derreck Floor Formation Mississippian Effective Pay _____ Ft. Ticker No. 15745

Date Dec. 14, 1971 Sec. 21 Twp. 27S Range 7W County Kingman State Kansas

Test Approved by Jay R. Dirks Western Representative Ernest Luckert

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 3875' to 3884' Total Depth 3884'

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

Packer Depth 3875 Ft. Size 6 3/4" Packer Depth 3870 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 9 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3878 Ft. Clock No. 6896 Depth 3881 Ft. Clock No. 6894

Top Make Kuster Cap. 4500 No. 3086 Inside Bottom Make Kuster Cap. 4300 No. 1566 Inside

Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside

Top Make _____ Cap. _____ No. _____ Outside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 6:56 P. M

Tool Open I.F.P. From 7:00 M. to 7:30 M. Hr. 30 Min. From (B) 23 P.S.I. To (C) 34 P.S.I.

Tool Closed I.C.I.P. From 7:30 M. to 8:00 M. Hr. 30 Min. (D) 1315 P.S.I.

Tool Open F.F.P. From 8:00 M. to 8:30 M. Hr. 30 Min. From (E) 42 P.S.I. To (F) 44 P.S.I.

Tool Closed F.C.I.P. From 8:30 M. to 9:00 M. Hr. 30 Min. (G) 1292 P.S.I.

Initial Hydrostatic Pressure (A) 2052 P.S.I. Final Hydrostatic Pressure (H) 2036 P.S.I.

SURFACE Size Choke 1 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____
See Attached Sheet _____ M. _____
_____ M. _____

BLOW Strong throughout - Gas to Surface in 10 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes _____ No _____ Recovery Total Ft. 130 feet watery mud
Scum oil

Reversed Out Yes No _____ Mud Type Salt Viscosity 42 Weight 917 Water Loss 11.2 cc. Maximum Temp. 108 °F

Type Circ. Sub Pin Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____

Length Drill Pipe 2775 ft. I.D. Drill Pipe 3750 in. Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 20 ft.

Remarks



P. O. BOX 793
GREAT BEND, KANSAS

Test Ticket No. 15745

Location 3878 Fr.

Well Temperature 108 °F

COMPANY Kathol Petroleum Inc. LEASE & WELL NO. Woodridge #1

TEST NO. #3 INTERVAL TESTED FROM 3875' TO 2884'

Time Given 6:56 P. M. Time Computed

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
0	"	"
10mins		Gas to Surface in 10 minutes
20 "	28" Water	1" Choke 137,000 C.F.P.P.
30 "	32" "	1" choke 146,000 "

30	Mins.	33	Mins.
30	Mins.	24	Mins.
30	Mins.	30	Mins.
30	Mins.	30	Mins.

SECOND FLOW

10 mins.	22" Water	1 1/2" choke	206,000 C.F.P.P.
20	17" "		181,000 "
30	15" "		170,000 "

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of Min.

SIZE CHOKES SURFACE 1 IN. BOTTOM 3/4 IN.

REMARKS Reading taken with Merla type orifice well tester
Readings too small to measure with Pitot tube
through 2" opening

Point Minutes	Press.
0	44
3	683
6	1090
9	1167
12	1204
15	1229
18	1248
21	1260
24	1273
27	1280
30	1292

P1					
P2					
P3					
P4					
P5					
P6					
P7					
P8					
P9					
P10					
P11					
P12					
P13					
P14					
P15					
P16					
P17					
P18					
P19					
P20					

Pressure Data

Date December 14, 1971 Test Ticket No. 15745
 Recorder No. 3086 Capacity 4500 Location 3878 Ft.
 Clock No. 6896 Elevation 1565 Derrick Floor Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2052</u> P.S.I.	Open Tool	<u>6:56</u> P. M.	
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>33</u> Mins.
C First Final Flow Pressure	<u>34</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure	<u>1315</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>42</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>44</u> P.S.I.			
G Final Closed-in Pressure	<u>1292</u> P.S.I.			
H Final Hydrostatic Mud	<u>2036</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</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 <u>3</u> Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>829</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>683</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>1185</u>	<u>10</u>	<u>40</u>	<u>6</u>	<u>1090</u>
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>1239</u>	<u>15</u>	<u>40</u>	<u>9</u>	<u>1167</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>1264</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>1204</u>
P 6 <u>25</u>	<u>30</u>	<u>15</u>	<u>1285</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>1229</u>
P 7 <u>30</u>	<u>33</u>	<u>18</u>	<u>1299</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>1248</u>
P 8 <u>33</u>	<u>34</u>	<u>21</u>	<u>1308</u>			<u>21</u>	<u>1260</u>
P 9 _____		<u>24</u>	<u>1315</u>			<u>24</u>	<u>1273</u>
P10 _____						<u>27</u>	<u>1280</u>
P11 _____						<u>30</u>	<u>1292</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							