

Company Oil Properties Co., Inc. Lease & Well No. Wood "A" #2
Elevation 2059 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 4817
Date 5/8/80 Sec. 2 Twp. 26S Range 16W County Edwards State Kansas
Test Approved by Robert C. Armstrong Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 4377 ft. to 4420 Total Depth 4420 ft.
Packer Depth 4372 ft. Size 6 3/4 in. Packer Depth 4377 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside)	<u>4379</u> ft.	Recorder Number	<u>10266</u>	Cap.	<u>4650</u>
Bottom Recorder Depth (Outside)	<u>4382</u> ft.	Recorder Number	<u>6233</u>	Cap.	<u>4000</u>
Below Straddle Recorder Depth	<u>-</u> ft.	Recorder Number	<u>-</u>	Cap.	<u>-</u>

Drilling Contractor <u>Sterling Drilling Rig #1</u>	Drill Collar Length	<u>289</u>	I. D.	<u>2.2</u>	in.
Mud Type <u>premix-Mon-Pac</u> Viscosity <u>56</u>	Weight Pipe Length	<u>457</u>	I. D.	<u>2.7</u>	in.
Weight <u>9.5</u> Water Loss <u>13.0</u> cc.	Drill Pipe Length	<u>3609</u>	I. D.	<u>3.8</u>	in.
Chlorides <u>11,000</u> P.P.M.	Test Tool Length	<u>22</u> ft.	Tool Size	<u>4 1/2</u>	in.
Jars: Make <u>--</u> Serial Number <u>-</u>	Anchor Length	<u>43</u> ft.	Size	<u>5 1/2</u>	in.
Did Well Flow? <u>Yes</u> Reversed Out <u>Yes</u>	Surface Choke Size	<u>3/4</u> in.	Bottom Choke Size	<u>3/4</u>	in.
	Main Hole Size	<u>7 7/8</u> in.	Tool Joint Size	<u>4 1/2</u>	in.

Blow First - off bottom of bucket, gas to surface in two minutes. Second - oil to surface in twenty-eight minutes. See attached sheet for gas measurements.

Recovered 240 ft. of frothy oil
Recovered 120 ft. of heavy oil cut and gas cut mud
Recovered ft. of
Recovered 4123 ft. of total fluid in pipe including above.
Recovered ft. of

Remarks:

Time Set Packer(s)	<u>6:10</u> A.M. P.M.	Time Started Off Bottom	<u>8:10</u> A.M. P.M.	Maximum Temperature	<u>124°</u>
Initial Hydrostatic Pressure	(A) <u>2234</u>	P.S.I.			
Initial Flow Period	Minutes <u>30</u>	(B) <u>474</u>	P.S.I. to (C)	<u>432</u>	P.S.I.
Initial Closed In Period	Minutes <u>21</u>	(D) <u>1237</u>	P.S.I.		
Final Flow Period	Minutes <u>30</u>	(E) <u>556</u>	P.S.I. to (F)	<u>439</u>	P.S.I.
Final Closed In Period	Minutes <u>27</u>	(G) <u>1190</u>	P.S.I.		
Final Hydrostatic Pressure	(H) <u>2117</u>	P.S.I.			

GAS FLOW REPORT

Date 5/8/80 Ticket 4817 Company Oil Properties Co., Inc.
 Well Name and No. Wood "A" #2 Dst No. 1 Interval Tested 4377' - 4420'
 County Edwards State Kansas Sec. 2 Twp. 26S Rg. 16W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Tool open at 6:10PM. PRE FLOW Gas to surface at 6:12 PM						
	5 min.	10 lbs.	1½" orifice			1,274,000 CFPD
	10 min.	15 lbs.	1½" orifice			1,626,000 CFPD
	20 min.	12 lbs.	1½" orifice			1,420,000 CFPD
	30 min.	10 lbs.	1½" orifice			1,274,000 CFPD

SECOND FLOW

	5 min.	17 lbs.	1½" orifice			1,760,000 CFPD
	10 min.	16 lbs.	1½" orifice			1,694,000 CFPD
	20 min.	7 lbs.	1½" orifice			1,036,000 CFPD
	25 min.	6 lbs.	1½" orifice			953,000 CFPD
	28 min.	Gassy oil to surface				

GAS BOTTLE

Serial No. #84 Date Bottle Filled 5/8/80 Date to be Invoiced 5/8/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Oil Properties Company, Inc.
COMPANY'S NAME

Robert C. Armstrong
Authorized by

WESTERN TESTING CO., INC.

Pressure Data

Date 5/8/80 Recorder No. 10266 Capacity 4650 Test Ticket No. 4817
 Clock No. -- Elevation 2059 Kelly Bushing Location 4379 Ft. --
 Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2234	P.S.I.	6:10P	M
B First Initial Flow Pressure	474	P.S.I.	30	Mins. 30
C First Final Flow Pressure	432	P.S.I.	30	Mins. 21
D Initial Closed-in Pressure	1237	P.S.I.	30	Mins. 30
E Second Initial Flow Pressure	556	P.S.I.	30	Mins. 27
F Second Final Flow Pressure	439	P.S.I.		
G Final Closed-in Pressure	1190	P.S.I.		
H Final Hydrostatic Mud	2117	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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 <u>0</u>	<u>474</u>	<u>0</u>	<u>432</u>	<u>0</u>	<u>556</u>	<u>0</u>	<u>439</u>
P 2 <u>5</u>	<u>474</u>	<u>3</u>	<u>1165</u>	<u>5</u>	<u>535</u>	<u>3</u>	<u>1040</u>
P 3 <u>10</u>	<u>469</u>	<u>6</u>	<u>1188</u>	<u>10</u>	<u>514</u>	<u>6</u>	<u>1091</u>
P 4 <u>15</u>	<u>453</u>	<u>9</u>	<u>1207</u>	<u>15</u>	<u>473</u>	<u>9</u>	<u>1121</u>
P 5 <u>20</u>	<u>441</u>	<u>12</u>	<u>1218</u>	<u>20</u>	<u>451</u>	<u>12</u>	<u>1140</u>
P 6 <u>25</u>	<u>437</u>	<u>15</u>	<u>1224</u>	<u>25</u>	<u>439</u>	<u>15</u>	<u>1155</u>
P 7 <u>30</u>	<u>432</u>	<u>18</u>	<u>1231</u>	<u>30</u>	<u>439</u>	<u>18</u>	<u>1164</u>
P 8		<u>21</u>	<u>1237</u>			<u>21</u>	<u>1173</u>
P 9						<u>24</u>	<u>1181</u>
P10						<u>27</u>	<u>1190</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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