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

Company Robinson Oil Company & Sweetman Drilling, Inc. Lease & Well No. Reed A-#1

Elevation 1526 Derrick Floor Formation Mississippi Effective Pay - Ft. Ticket No. 24799

Date 10-14-77 Sec. 26 Twp. 29S Range 7W County Kingman State Kansas

Test Approved by Harvey Gough Western Representative Vernon Wondra

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4130' to 4230' Total Depth 4230'

Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged X Yes - No

Top Packer Depth 4125 Ft. Size 6 3/4 Bottom Packer Depth 4130 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 100 Ft. Size 5½OD + 63 D.C. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3154 Ft. Clock No. 6859 Depth 3157 Ft. Clock No. 8476

Top Make Kuster Cap. 4250 No. 1051 Inside ~~Outside~~ Bottom Make Kuster Cap. 4300 No. 1567 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 10:58P M

Tool Open I.F.P. From 11:00 M. to 11:30 M. - Hr. 30 Min. From (B) 108 P.S.I. To (C) 84 P.S.I.

Tool Closed I.C.I.P. From 11:30 M. to 12:30A M. - Hr. 60 Min (D) 713 P.S.I.

Tool Open F.F.P. From 12:30 M. to 1:30 M. - Hr. 60 Min. From (E) 123 P.S.I. To (F) 128 P.S.I.

Tool Closed F.C.I.P. From 1:30 M. to 3:00 M. - Hr. 90 Min. (G) 711 P.S.I.

Initial Hydrostatic Pressure (A) 2235 P.S.I. Final Hydrostatic Pressure (H) 2186 P.S.I. Maximum Temp. 133

INFORMATION

BLOW Strong blow, gas to surface at 2nd opening, (10,900 C.F.P.D. maximum). See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 83' mud, 125' slightly oil cut mud. 190' slightly gas and oil cut mud.

Reversed Out - Yes X No Mud Type Gel Viscosity 58 Weight 9.3 Water Loss - cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Sweetman Drlg. Co. Rig #1 Length Drill Pipe? 3890 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 219 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 121 Ft.

Remarks:

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GAS FLOW REPORT

Date 10-14-77 Ticket 24799 Company Robinson Oil Company & Sweetman Drlg., Inc.

Well Name and No. Reed A-1 Dst No. 1 Interval Tested 4130' - 4230'

County Kingman State Kansas Sec. 26 Twp. 29S Rg. 7W

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
PRE FLOW						
SECOND FLOW						
Gas to surface 12:30 A.M.						
12:40 A.M.	10 Min.	.34" of water	¼" Orifice			9,790 C.F.P.D.
12:50 A.M.	20 Min.	.32" of water	¼" Orifice			9,500 C.F.P.D.
1:00 A.M.	30 Min.	.36" of water	¼" Orifice			10,100C.F.P.D.
1:10 A.M.	40 Min.	.38" of water	¼" Orifice			10,400 C.F.P.D.
1:20 A.M.	50 Min.	.40" of water	¼" Orifice			10,600 C.F.P.D.
1:30 A.M.	60 Min.	.42" of water	¼" Orifice			10,900 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 10-14-77 Date to be Invoiced 10-14-77

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 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robinson Oil Company & Sweetman Drilling, Inc.

Authorized by

WESTERN TESTING CO., INC.
Pressure Data

Date 10-14-77 Test Ticket No. 24799

Recorder No. 1051 Capacity 4250 Location 3154 Ft.

Clock No. 6859 Elevation 1526 Derrick Floor Well Temperature 133 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2235 P.S.I.	Open Tool	10:58 P. M	
B First Initial Flow Pressure	108 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	84 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	713 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	123 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	128 P.S.I.			
G Final Closed-in Pressure	711 P.S.I.			
H Final Hydrostatic Mud	2186 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	108
P 2 5	86
P 3 10	83
P 4 15	83
P 5 20	83
P 6 25	84
P 7 30	84
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	84
3	118
6	182
9	245
12	298
15	344
18	386
21	424
24	461
27	492
30	521
33	549
36	572
39	595
42	617
45	634
48	653
51	667
54	685
57	699
60	713

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	123
5	110
10	105
15	106
20	108
25	111
30	114
35	118
40	120
45	124
50	126
55	127
60	128

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	128
3	158
6	199
9	241
12	279
15	314
18	345
21	374
24	399
27	427
30	450
33	472
36	491
39	512
42	531
45	549
48	564
51	581
54	559
57	606
60	620

Cont'd on next page

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G Final Closed-in Pressure	711 P.S.I.			
H Final Hydrostatic Mud	2186 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 6 Inc.	Breakdown: 20 Inc.	Breakdown: 12 Inc.	Breakdown: 31 Inc.
of 5 mins. and a	of 3 mins. and a	of 5 mins. and a	of 3 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	630
P 2						66	641
P 3						69	651
P 4						72	661
P 5						75	670
P 6						78	677
P 7						81	685
P 8						84	692
P 9						87	700
P10						90	706
P11						93	711
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK# 24799

I.

