Company Hawkins Oil & Gas, Inc. Lease & Well No. #1-25 Rathgeber

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 15326

Date 1/24/82 Sec. 25 Twp. 34S Range 11W County Barber State Kansas

Test Approved by - Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 4683 ft. to 4698 ft. Total Depth 4698 ft.

Packer Depth 4675 ft. Size 6 5/8 in. Packer Depth 4683 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4688 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 4691 ft. Recorder Number 1324 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Damac Rig #1 Drill Collar Length 420 I. D. 2.7 in.

Mud Type Premix Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 10.6 cc. Drill Pipe Length 4233 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 30 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 403 Anchor Length 15 ft. Size 5½OD in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Gas to surface in 2 minutes. See attached sheet for gas measurements.

Recovered 300 ft. of clean gassy oil gravity 28

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

slid tool 5 ft. to bottom

Time Set Packer(s) 6:58 ~~A.M.~~ P.M. Time Started Off Bottom 11:30 ~~A.M.~~ P.M. Maximum Temperature 125

Initial Hydrostatic Pressure			(A)	2407	P.S.I.	
Initial Flow Period	Minutes	30	(B)	484*	P.S.I. to (C)	818* P.S.I.
Initial Closed In Period	Minutes	63	(D)	1891	P.S.I.	
Final Flow Period	Minutes	60	(E)	500*	P.S.I. to (F)	758* P.S.I.
Final Closed In Period	Minutes	120	(G)	1845	P.S.I.	
Final Hydrostatic Pressure			(H)	2335	P.S.I.	

GAS FLOW REPORT

Date 1/24/82 Ticket 15326 Company Hawkins Oil & Gas, Inc.

Well Name and No. #1-25 Rathgeber Dst No. 1 Interval Tested 4683-4698

County Barber State Kansas Sec. 25 Twp. 34S Rg. 11W

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
	Gas to surface at 7:02PM		**PRE FLOW**			
	3 Min	56" water	1½" Orifice			521,000 C.F.P.D.
	13 Min	66" water	1½" Orifice			565,000 C.F.P.D.
	23 Min	70" water	1½" Orifice			583,000 C.F.P.D.
	Tool open 8:30PM		**SECOND FLOW**			
	5 Min	2 PSIG	2" Orifice			1,020,000 C.F.P.D.
	15 Min	3 PSIG	2" Orifice			1,250,000 C.F.P.D.
	25 Min	3 PSIG	2" Orifice			1,250,000 C.F.P.D.
	35 Min	2.5 PSIG	2" Orifice			1,140,000 C.F.P.D.
	45 Min	2.5 PSIG	2" Orifice			1,140,000 C.F.P.D.
	55 Min	2.5 PSIG	2" Orifice			1,140,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 1/24/82 Date to be Invoiced 1/24/82

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 Hawkins Oil & Gas, Inc.

Authorized by -

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 1/24/82 Test Ticket No. 15326

Recorder No. 3474 Capacity 3000 Location 4688 Ft.

Clock No. - Elevation - Well Temperature 125 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2407	P.S.I.
B	First Initial Flow Pressure	484*	P.S.I.
C	First Final Flow Pressure	818*	P.S.I.
D	Initial Closed-in Pressure	1891	P.S.I.
E	Second Initial Flow Pressure	500*	P.S.I.
F	Second Final Flow Pressure	758*	P.S.I.
G	Final Closed-in Pressure	1845	P.S.I.
H	Final Hydrostatic Mud	2335	P.S.I.

	Time Given	Time Computed
Open Tool	6:58P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	63 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	120 Mins.	120 Mins.

*Pressures questionable due to partial plugging.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	484*
P 2 5	652*
P 3 10	652*
P 4 15	815*
P 5 20	794*
P 6 25	805*
P 7 30	818*
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	818*
3	1024
6	1655
9	1698
12	1808
15	1830
18	1846
21	1854
24	1863
27	1868
30	1872
33	1876
36	1878
39	1880
42	1882
45	1884
48	1886
51	1888
54	1889
57	1890
60	1890
63	1891

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

Point Minutes	Press.
0	500*
5	623*
10	552*
15	677*
20	568*
25	561*
30	548*
35	546*
40	546*
45	759*
50	752*
55	777*
60	758*

Final Shut-In
Breakdown: 40 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	758*
3	1645
6	1680
9	1713
12	1729
15	1744
18	1756
21	1765
24	1773
27	1780
30	1790
33	1793
36	1799
39	1803
42	1807
45	1810
48	1812
51	1814
54	1816
57	1818
60	1820

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WESTERN TESTING CO., INC.

Pressure Data

Date 1/24/82 Test Ticket No. 15326

Recorder No. 3474 Capacity 3000 Location 4688 Ft.

Clock No. - Elevation - Well Temperature 125 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2407 P.S.I.	Open Tool	6:58P M	
B	First Initial Flow Pressure	484* P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	818* P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1891 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	500* P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F	Second Final Flow Pressure	758* P.S.I.			
G	Final Closed-in Pressure	1845 P.S.I.			
H	Final Hydrostatic Mud	2335 P.S.I.			

*Pressures questionable due to partial plugging.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 40 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1822
P 2						66	1824
P 3						69	1826
P 4						72	1828
P 5						75	1830
P 6						78	1832
P 7						81	1834
P 8						84	1836
P 9						87	1837
P10						90	1838
P11						93	1840
P12						96	1842
P13						99	1843
P14						102	1844
P15						105	1845
P16						108	1845
P17						111	1845
P18						114	1845
P19						117	1845
P20						120	1845

JG #15326
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