Company Griggs Oil, Inc. Lease & Well No. Hughes #1

Elevation 1257 Kelly Bushing Formation Mississippi Effective Pay ---- Ft. Ticket No. 6868

Date 10/4/80 Sec. 33 Twp. 34S Range 8W County Harper State Kansas

Test Approved by Al Stude Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4694 ft. to 4710 ft. Total Depth 4710 ft.

Packer Depth 4689 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4694 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4798 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4701 ft. Recorder Number 4332 Cap. 4200

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

Drilling Contractor Venture Drlg. Rig #3 Drill Collar Length 60 I. D. 2¼ in.

Mud Type premix Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 18.2 cc. Drill Pipe Length 4614 I. D. 3.2 in.

Chlorides 13,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make No Serial Number - Anchor Length 76 ft. Size 5½OD in.

Did Well Flow? No 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 4½FH in.

Blow: Strong blow throughout test. Gas to surface twenty minutes into final flow period. See attached sheet for gas measurements.

Recovered 150 ft. of gas cut mud

Recovered 60 ft. of gas and oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Hit a long bridge thirteen to fifteen stands off bottom. (No gas sample taken) Slid tool six to eight feet to bottom.

Time Set Packer(s) 8:05 A.M. P.M. Time Started Off Bottom 11:05 A.M. P.M. Maximum Temperature Broken

Initial Hydrostatic Pressure			(A)	2194	P.S.I.	
Initial Flow Period	Minutes	25	(B)	86 P.S.I. to (C)	84	P.S.I.
Initial Closed In Period	Minutes	45	(D)	852	P.S.I.	
Final Flow Period	Minutes	45	(E)	96 P.S.I. to (F)	87	P.S.I.
Final Closed In Period	Minutes	60	(G)	1064	P.S.I.	
Final Hydrostatic Pressure			(H)	2178	P.S.I.	

GAS FLOW REPORT

Date 10/4/80 Ticket 6868 Company Griggs Oil, Inc.

Well Name and No. Hughes #1 Dst No. 1 Interval Tested 4694'-4710'

County Harper State Kansas Sec. 33 Twp. 34S Rg. 8W

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			
	20 min.			1/4" orifice		Gas to surface
	30 min.	5" of water		1/4" orifice		3,710 CFPD
	40 min.	5" of water		1/4" orifice		3,710 CFPD
	45 min.	5" of water		1/4" oririce		3,710 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled ---- Date to be Invoiced 10/4/80

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.

COMPANY'S NAME Griggs Oil, Inc.

Authorized by Al Stude

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 10/4/80 Test Ticket No. 6868

Recorder No. 2606 Capacity 4150 Location 4798 Ft.

Clock No. - Elevation 1257 Kelly Bushing Well Temperature - °F

Point		Pressure	
A	Initial Hydrostatic Mud	2194	P.S.I.
B	First Initial Flow Pressure	86	P.S.I.
C	First Final Flow Pressure	84	P.S.I.
D	Initial Closed-in Pressure	852	P.S.I.
E	Second Initial Flow Pressure	96	P.S.I.
F	Second Final Flow Pressure	87	P.S.I.
G	Final Closed-in Pressure	1064	P.S.I.
H	Final Hydrostatic Mud	2178	P.S.I.

	Time Given	Time Computed
Open Tool	8:05 M	
First Flow Pressure	30 Mins.	25 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

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

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

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	84
3	141
6	218
9	281
12	345
15	400
18	458
21	508
24	562
27	599
30	649
33	697
36	734
39	775
42	817
45	852

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	96
5	87
10	87
15	87
20	87
25	87
30	87
35	87
40	87
45	87

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

Point Minutes	Press.
0	87
3	160
6	248
9	320
12	393
15	450
18	512
21	568
24	618
27	668
30	711
33	759
36	796
39	838
42	877
45	919
48	952
51	985
54	1014
57	1043
60	1064

2606 DST #1

JK #6868

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