



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 5756

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1906' K.B. Formation MISSISSIPPIAN Eff. Pay Ft.

District PRAA Date 4-21-80 Customer Order No.

COMPANY NAME GRIGGS OIL INC.

ADDRESS 1625 KSBPT BLDG. 125 N. MARKET, WICHITA, KANS. 67202

LEASE AND WELL NO. EISEL #1 COUNTY Comanche STATE KANS. Sec. 014 Twp. 33S Rge. 17W

Mail Invoice To Same Connected to Eisel #2 (First Report by 16-4-78) No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 5093 ft. to 5105 ft. Total Depth 5105 ft. Packer Depth 5088 ft. Size 6 3/4 in. Packer Depth 5093 ft. Size 6 3/4 in. Packer Depth ft. Size in. Depth of Selective Zone Set

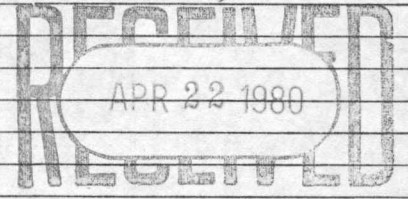
Top Recorder Depth (Inside) 5097' ft. Recorder Number 2604 Cap. 4150 Bottom Recorder Depth (Outside) 5100' ft. Recorder Number 6246 Cap. 5200 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor VENTURE DOLY R. 19 #1 Mud Type PRE-MIX Viscosity 58 Weight 8.2 Water Loss 10.0 cc. Chlorides 8,000 P.P.M. Jars: Make W.T.C. Serial Number 405 Did Well Flow? No Reversed Out Drill Collar Length 556 496 I. D. 2.2 in. Weight Pipe Length I. D. in. Drill Pipe Length 4567 I. D. 3.2 in. Test Tool Length 30 ft. Tool Size 5/2 O.D. in. Anchor Length 12 ft. Size 5/2 O.D. in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7/8 in. Tool Joint Size 4" FH in.

Blow: STRONG BLOW GAS TO SURFACE 15th Initial Flow Period SEE ATTACHED FLOW SHEET

Recovered 885 ft. of Gassy oil 34 Gravity

Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks: Clock stopped - 6246



ON LOCATION 12:30 AM 4:30 OFF LOCATION

Time Set Packer(s) 6:15 A.M. Time Started Off Bottom 10:15 A.M. Maximum Temperature 132 Initial Hydrostatic Pressure (A) 2443 P.S.I. Initial Flow Period (B) 30 Minutes (C) 127 P.S.I. Initial Closed In Period (D) 60 Minutes (E) 1684 P.S.I. Final Flow Period (F) 60 Minutes (G) 1191 P.S.I. Final Closed In Period (H) 90 Minutes (I) 1653 P.S.I. Final Hydrostatic Pressure (J) 2379 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative [Signature] [Signature]

FIELD INVOICE

Open Hole Test \$ 650.00 Misrun \$ Straddle Test \$ Jars \$ 1300.00 Selective Zone \$ Safety Joint \$ 50.00 Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage 55 \$ 41.25 Fluid Sampler \$ Extra Charts \$ TOTAL \$ 1041.25

Company Griggs Oil Inc. Lease & Well No. Einsel #2
 Elevation 1906 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 5756
 Date 4-21-80 Sec. 14 Twp. 33S Range. 17W County Commanche State Kansas
 Test Approved by Jim S. Bird Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 5093 ft. to 5105 ft. Total Depth 5105 ft.
 Packer Depth 5088 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5093 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5097 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 5100 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Venture Drlg. (#1) Drill Collar Length 496 I. D. 2.2 in.
 Mud Type Premix Viscosity 58 Weight Pipe Length - I. D. - in.
 Weight 8.9 Water Loss 10.0 cc. Drill Pipe Length 4567 I. D. 3.2 in.
 Chlorides 8,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 OD in.
 Jars: Make W.T.C. Serial Number 405 Anchor Length 12 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4" FH in.

Blow: Strong blow throughout test. Gas to surface in 15 minutes on initial flow period.
See attached sheet for gas measurements.

Recovered 885 ft. of gassy oil 34 Gravity
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Clock stopped - 6246

Time Set Packer(s) 6:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 132
 Initial Hydrostatic Pressure (A) 2449 P.S.I.
 Initial Flow Period Minutes 30 (B) 48 P.S.I. to (C) 149 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1710 P.S.I.
 Final Flow Period Minutes 60 (E) 203 P.S.I. to (F) 316 P.S.I.
 Final Closed In Period Minutes 90 (G) 1681 P.S.I.
 Final Hydrostatic Pressure (H) 2352 P.S.I.

GAS FLOW REPORT

Date 4-21-80 Ticket 5756 Company Griggs Oil Inc.
 Well Name and No. Einsel #2 Dst No. 1 Interval Tested 5093' - 5105
 County Commanche State Kansas Sec. 14 Twp. 33S Rg. 17W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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						
	20 min.	22" of water	1/2" orifice			29,000 C.F.P.D.
	30 min.	24" of water	1/2" orifice			30,700 C.F.P.D.
	Gas to surface in 15 minutes.					

SECOND FLOW						
	10 min.	30" of water	1/2" orifice			34,300 C.F.PD.
	20 min.	24" of water	1/2" orifice			30,700 C.F.P.D.
	30 min.	14" of water	1/2" orifice			23,700 C.F.P.D.
	40 min.	20" of water	1/2" orifice			28,000 C.F.P.D.
	50 min.	18" of water	1/2" orifice			26,600 C.F.P.D.
	60 min.	8" of water	1/2" orifice			17,200 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

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 1/2% 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 Jim S. Bird

WESTERN TESTING CO., INC.
Pressure Data

Date 4-21-80 Test Ticket No. 5756
 Recorder No. 2604 Capacity 4150 Location 5097 Ft.
 Clock No. - Elevation 1906 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2449 P.S.I.	Open Tool	6:13A. M	
B First Initial Flow Pressure	48 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	149 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1710 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	203 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	316 P.S.I.			
G Final Closed-in Pressure	1681 P.S.I.			
H Final Hydrostatic Mud	2352 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	48	0	149	0	203	0	316
P 2 5	75	3	305	5	203	3	544
P 3 10	98	6	613	10	207	6	1169
P 4 15	111	9	1217	15	218	9	1341
P 5 20	124	12	1427	20	229	12	1424
P 6 25	137	15	1508	25	242	15	1479
P 7 30	149	18	1565	30	254	18	1505
P 8		21	1597	35	266	21	1530
P 9		24	1624	40	277	24	1553
P10		27	1643	45	288	27	1575
P11		30	1655	50	298	30	1597
P12		33	1664	55	307	33	1606
P13		36	1673	60	316	36	1616
P14		39	1681			39	1625
P15		42	1691			42	1632
P16		45	1702			45	1638
P17		48	1704			48	1643
P18		51	1706			51	1648
P19		54	1708			54	1652
P20		57	1709			57	1656
WTC - 4		60	1710			60	1660

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Pressure Data

Date 4-21-80 Test Ticket No. 5756
 Recorder No. 2604 Capacity 4150 Location 5097 Ft.
 Clock No. - Elevation 1906 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2449	P.S.I.	6:13A.	
B First Initial Flow Pressure	48	P.S.I.	30	30
C First Final Flow Pressure	149	P.S.I.	60	60
D Initial Closed-in Pressure	1710	P.S.I.	60	60
E Second Initial Flow Pressure	203	P.S.I.	90	90
F Second Final Flow Pressure	316	P.S.I.		
G Final Closed-in Pressure	1681	P.S.I.		
H Final Hydrostatic Mud	2352	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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	1663	
P 2						66	1666	
P 3						69	1669	
P 4						72	1672	
P 5						75	1674	
P 6						78	1676	
P 7						81	1678	
P 8						84	1679	
P 9						87	1680	
P10						90	1681	
P11								
P12								
P13								
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