Company John J. Darrah — Lease & Well No. Wilson-Opdyke #1

Elevation 1456 Kelly Bushing — Formation Mississippi — Effective Pay ----- Ft. — Ticket No. 6321

Date 7-28-80 — Sec. 32 — Twp. 27s — Range 5w — County Kingman — State Kansas

Test Approved by Innes Phillips — Western Representative Roger Mounts

Formation Test No. 1 — Interval Tested from 3763 ft. to 3797 ft. — Total Depth 3797 ft.

Packer Depth 3758 ft. — Size 6 3/4 in. — Packer Depth ------ ft. — Size ---- in.

Packer Depth 3763 ft. — Size 6 3/4 in. — Packer Depth ----- ft. — Size ---- in.

Depth of Selective Zone Set ------

Top Recorder Depth (Inside) 3773 ft. — Recorder Number 1566 — Cap. 4300

Bottom Recorder Depth (Outside) 3780 ft. — Recorder Number 3086 — Cap. 4500

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

Drilling Contractor D. R. Lauck Rig #1 — Drill Collar Length 310 — I. D. 2.2 in.

Mud Type Starch — Viscosity 49 — Weight Pipe Length ---- — I. D. ---- in.

Weight 9.3 — Water Loss 18.4 cc. — Drill Pipe Length 3432 — I. D. 3.8 in.

Chlorides 14,000 P.P.M. — Test Tool Length 21 ft. — Tool Size 5½ O.D. in.

Jars: Make No — Serial Number ---- — Anchor Length 34 ft. — Size 5½ O.D. in.

Did Well Flow? Yes — Reversed Out ---- — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½ F.H. in.

Blow: Good strong blow throughout Initial Flow Period. Gas to Surface in 18 minutes. See the attached Gas Flow Sheet.

Recovered 30 ft. of Heavy Oil & Gas Cut Mud

Recovered 60 ft. of Gassy Watery Mud — 20% Water, 33% Mud, 2% Oil, 45% Gas

Recovered 60 ft. of Gassy Watery Mud — 25% Water, 14% Mud, 2% Oil, 59% Gas

Recovered 60 ft. of Gassy Watery Mud — 32% Water, 10% Mud, 3% Oil, 55% Gas

Recovered 300 ft. of Gas & Oil Cut Salt Water — 86,000 PPM Chlorides

Remarks:

Time Set Packer(s) 6:01 ~~A.M.~~ P.M. — Time Started Off Bottom 8:46 A.M. ~~P.M.~~ — Maximum Temperature 108

Initial Hydrostatic Pressure			(A) 1870	P.S.I.		
Initial Flow Period	Minutes 40	(B) 127	P.S.I. to	(C) 136	P.S.I.	
Initial Closed In Period	Minutes 42	(D) 1319	P.S.I.			
Final Flow Period	Minutes 40	(E) 190	P.S.I. to	(F) 205	P.S.I.	
Final Closed In Period	Minutes 45	(G) 1300	P.S.I.			
Final Hydrostatic Pressure			(H) 1870	P.S.I.		

WTC-1

GAS FLOW REPORT

Date 7/28/80 Ticket 6321 Company John J. Darrah

Well Name and No. Wilson-Opdyke #1 Dst No. 1 Interval Tested 3763'-3797'

County Kingman State Kansas Sec. 32 Twp. 27S Rg. 5W

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 in eighteen minutes.			**PRE FLOW**	2 PSI		
	25 min.	2.5 lbs.	1/4" orifice			14,300 CFPD
	30 min.	3.5 lbs.	1/4" orifice			17,100 CFPD
	35 min.	4.5 lbs.	1/4" orifice			19,500 CFPD
	40 min.	5.5 lbs.	1/4" orifice			21,800 CFPD
			SECOND FLOW			
	5 min.	9.5 lbs.	1/4" orifice			29,900 CFPD
	10 min.	10 lbs.	1/4" orifice			30,800 CFPD
	15 min.	6.5 lbs.	1/4" orifice			23,900 CFPD
	20 min.	5.5 lbs.	1/4" orifice			21,800 CFPD
	25 min.	5.0 lbs.	1/4" orifice			20,700 CFPD
	30 min.	4.5 lbs.	1/4" orifice			19,500 CFPD
	35 min.	4.5 lbs.	1/4" orifice			19,500 CFPD
	40 min.	4.5 lbs.	1/4" orifice			19,500 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled --- Date to be Invoiced 7/28/80

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 ~~John J. Darrah~~

Innes Phillips

Authorized by

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 7-28-80 Test Ticket No. 6321

Recorder No. 1566 Capacity 4300 Location 3773 Ft.

Clock No. ---- Elevation 1456 Kelly Bushing Well Temperature 108 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1870	P.S.I.
B	First Initial Flow Pressure	127	P.S.I.
C	First Final Flow Pressure	136	P.S.I.
D	Initial Closed-in Pressure	1319	P.S.I.
E	Second Initial Flow Pressure	190	P.S.I.
F	Second Final Flow Pressure	205	P.S.I.
G	Final Closed-in Pressure	1300	P.S.I.
H	Final Hydrostatic Mud	1870	P.S.I.

	Time Given	Time Computed
Open Tool	6:01 A. M	
First Flow Pressure	40 Mins.	40 Mins.
Initial Closed-in Pressure	40 Mins.	42 Mins.
Second Flow Pressure	40 Mins.	40 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	127
P 2	5	123
P 3	10	123
P 4	15	123
P 5	20	123
P 6	25	124
P 7	30	129
P 8	35	134
P 9	40	136
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	136
	3	517
	6	729
	9	882
	12	983
	15	1071
	18	1131
	21	1173
	24	1212
	27	1242
	30	1266
	33	1287
	36	1300
	39	1311
	42	1319

Second Flow Pressure
Breakdown: 8 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	190
	5	186
	10	184
	15	184
	20	184
	25	186
	30	190
	35	199
	40	205

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

Point	Minutes	Press.
	0	205
	3	626
	6	834
	9	948
	12	1032
	15	1088
	18	1133
	21	1161
	24	1195
	27	1214
	30	1236
	33	1253
	36	1266
	39	1279
	42	1289
	45	1300

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IR4 #6321

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