Robert E. Campbell Oil & Gas Operations — Fitzgerald #1

Company — Lease & Well No.

Elevation ----- Formation Mississippi Effective Pay -- Ft. Ticket No. 5712

Date 4/2/80 Sec. 17 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by L. O. Chubb — Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 4141 ft. to 4158 ft. Total Depth 4158 ft.

Packer Depth 4136 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Packer Depth 4141 ft. Size 6 3/4 in. — Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4146 ft. — Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4151 ft. — Recorder Number 11019 Cap. 4500

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

Drilling Contractor Eagle Drilling Rig #1 — Drill Collar Length - I. D. - in.

Mud Type drispac Viscosity 52 — Weight Pipe Length 318 I. D. 3.0 in.

Weight 9.8 Water Loss 11.6 cc. — Drill Pipe Length 3802 I. D. 4.0 in.

Chlorides 11,000 P.P.M. — Test Tool Length 21 ft. Tool Size 3½ in.

Jars: Make -- Serial Number - — Anchor Length 17 ft. Size 4½ in.

Did Well Flow? - Reversed Out - — Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

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

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

194 MCFTD THROUGH 3/4 INCH ORIFICE

Recovered 150 ft. of gas cut drilling mud

Recovered 60 ft. of gas cut muddy water

Recovered ft. of (TIGHT HOLE)

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:20 ~~A.M.~~ P.M. Time Started Off Bottom 6:00 ~~A.M.~~ P.M. Maximum Temperature ?

Initial Hydrostatic Pressure			(A) 2067	P.S.I.		
Initial Flow Period	Minutes 30	(B) 120	P.S.I. to	(C) 162	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 1368	P.S.I.			
Final Flow Period	Minutes 40	(E) 129	P.S.I. to	(F) 127	P.S.I.	
Final Closed In Period	Minutes 66	(G) 1379	P.S.I.			
Final Hydrostatic Pressure			(H) 2051	P.S.I.		

GAS FLOW REPORT

Date 4/2/80 Ticket 5712 Company Robert E. Campbell Oil & Gas Operations

Well Name and No. Fitzgerald #1 Dst No. 1 Interval Tested 4141'-4158'

County Kingman State Kansas Sec. 17 Twp. 29S Rg. 6W

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						
Gas to surface in eight minutes.						
	10 min.	4. 0 lbs.	1/4"	orifice		18,500 CFPD
	20 min.	32.0 lbs.	1/4"	orifice		64,600 CFPD
	30 min.	50.0 lbs.	1/4"	orifice		89,700 CFPD
SECOND FLOW						
	10 min.	6.0 lbs.	3/4"	orifice		194,000 CFPD
	20 min.	6.0 lbs.	3/4"	orifice		194,000 CFPD
	30 min.	6.0 lbs.	3/4"	orifice		194,000 CFPD
	40 min.	6.0 lbs.	3/4"	orifice		194,000 CFPD

GAS BOTTLE

Serial No. ------ Date Bottle Filled ------- Date to be Invoiced 4/2/80

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 Robert E. Campbell Oil & Gas Operations

Authorized by L. O. Chubb

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 4/2/80 Test Ticket No. 5712

Recorder No. 11018 Capacity 4425 Location 4146 Ft.

Clock No. ------ Elevation ---- Well Temperature - °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2067 P.S.I.		Open Tool	3:20P M	.
B	First Initial Flow Pressure	120 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	162 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1368 P.S.I.		Second Flow Pressure	40 Mins.	40 Mins.
E	Second Initial Flow Pressure	129 P.S.I.		Final Closed-in Pressure	60 Mins.	66 Mins.
F	Second Final Flow Pressure	127 P.S.I.				
G	Final Closed-in Pressure	1379 P.S.I.				
H	Final Hydrostatic Mud	2051 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	120
P 2 5	113
P 3 10	113
P 4 15	124
P 5 20	138
P 6 25	153
P 7 30	162
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	162
3	874
6	1086
9	1185
12	1238
15	1280
18	1298
21	1316
24	1332
27	1350
30	1368

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

Point Minutes	Press.
0	129
5	120
10	120
15	123
20	127
25	127
30	127
35	127
40	127

Final Shut-In
Breakdown: 22 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	127
3	783
6	982
9	1088
12	1143
15	1185
18	1211
21	1236
~~24~~	1258
~~27~~	1280
~~30~~	1295
~~33~~	1305
~~36~~	1316
~~39~~	1325
~~42~~	1334
~~45~~	~~1344~~
~~48~~	~~1349~~
~~51~~	~~1354~~
~~54~~	~~1360~~
~~57~~	~~1365~~
~~60~~	~~1370~~
63	1375
66	1379

11018 - 5712
DST #1

IRF #5712
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