Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Klaver #4

Elevation 1563 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 11032

Date 9/22/81 Sec. 9 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A. Western Representative Rod Tritt=Richard Howell

Formation Test No. 1 Interval Tested from 3274 ft. to 3292 ft. Total Depth 3341 ft.

Packer Depth 3269 ft. Size 6 3/4 in. Packer Depth 3292 ft. Size 6 3/4 in.

Packer Depth 3274 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3276 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 3279 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth 3339 ft. Recorder Number 13721 Cap. 4400

Drilling Contractor Merkle Drlg. Rig #1 Drill Collar Length - I. D. - in.

Mud Type premix Viscosity 40 Weight Pipe Length 465 I. D. 2.5 in.

Weight 9.4 Water Loss - cc. Drill Pipe Length 2821 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 26 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 18 ft. Size 5½ 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 4½ in.

Blow: Initial flow period weak and irratic - steady blow for eight minutes.
Final flow period very weak and irratic.

Recovered 40 ft. of drilling mud (oil spotted)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:50 A.M. P.M. Time Started Off Bottom 2:50 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 103°

Initial Hydrostatic Pressure ..... (A) 1697 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 48 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period ..... Minutes 42 (D) 1180 P.S.I.

Final Flow Period ..... Minutes 45 (E) 50 P.S.I. to (F) 50 P.S.I.

Final Closed In Period ..... Minutes 63 (G) 1180 P.S.I.

Final Hydrostatic Pressure ..... (H) 1602 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9/22/81 Test Ticket No. 11032

Recorder No. 2606 Capacity 4150 Location 3276 Ft.

Clock No. -- Elevation 1563 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1697 P.S.I.	Open Tool	11:50P M	
B First Initial Flow Pressure	48 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	42 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D Initial Closed-in Pressure	1180 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	50 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	50 P.S.I.			
G Final Closed-in Pressure	1180 P.S.I.			
H Final Hydrostatic Mud	1602 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	48
P 2 5	48
P 3 10	48
P 4 15	45
P 5 20	44
P 6 25	43
P 7 30	42
P 8	
P 9	
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	42
3	322
6	591
9	777
12	906
15	996
18	1050
21	1080
24	1114
27	1132
30	1150
33	1163
36	1170
39	1176
42	1180

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

Point Minutes	Press.
0	50
5	50
10	50
15	50
20	50
25	50
30	50
35	50
40	50
45	50

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

Point Minutes	Press.
0	50
3	306
6	566
9	748
12	869
15	952
18	1010
21	1047
24	1078
27	1101
30	1118
33	1130
36	1140
39	1149
42	1155
45	1163
48	1168
51	1172
54	1175
57	1178
60	1180
63	1180

TK# 11032

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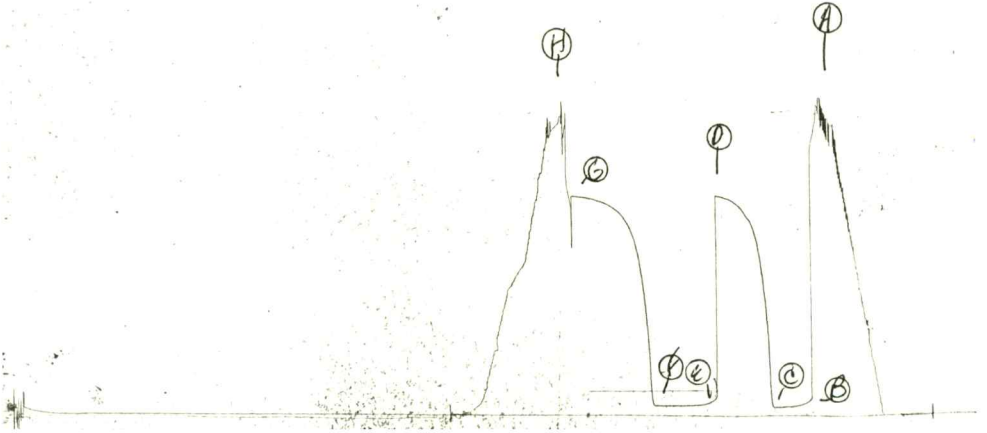
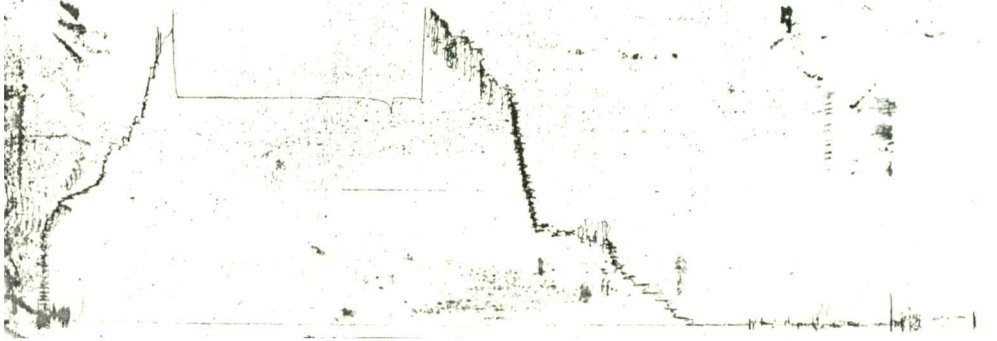


TKt # 11032

Below Straddle



Company Robert E. Campbell Oil & Gas Operations Lease & Well No. Klaver #9

Elevation - Formation Misner Effective Pay - Ft. Ticket No. 13046

Date 9/26/81 Sec. 9 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Richard A robba Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4453 ft. to 4466 ft. Total Depth 4466 ft.

Packer Depth 4448 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4453 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4456 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4459 ft. Recorder Number 3351 Cap. 4000

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

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

Mud Type Premix Monpac Viscosity 45 Weight Pipe Length 535 I. D. 2.7 in.

Weight 9.2 Water Loss 16.8 cc. Drill Pipe Length 3897 I. D. 3.8 in.

Chlorides 33,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½ OD in.

Jars: Make - Serial Number - Anchor Length 13 ft. Size 5½ OD 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 4½ FH in.

Blow: Strong blow throughout test. Gas to surface in 17 minutes on preflow. See attached sheets for gas measurements.

Recovered 275 ft. of clean gassy oil 42 gravity

Recovered 120 ft. of foggy gassy oil

Recovered 50 ft. of muddy water

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:05 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 1:50 ~~A.M.~~ P.M. Maximum Temperature 122

Initial Hydrostatic Pressure			(A)	2383	P.S.I.	
Initial Flow Period	Minutes	30	(B)	89	P.S.I. to (C)	90 P.S.I.
Initial Closed In Period	Minutes	48	(D)	1090	P.S.I.	
Final Flow Period	Minutes	30	(E)	152	P.S.I. to (F)	152 P.S.I.
Final Closed In Period	Minutes	60	(G)	1084	P.S.I.	
Final Hydrostatic Pressure			(H)	2289	P.S.I.	

GAS FLOW REPORT

Date 9/26/81 Ticket 13046 Company Robert E. Campbell Oil & Gas Operations

Well Name and No. Klaver #9 Dst No. 2 Interval Tested 4453-4466

County Kingman State Kansas Sec. 9 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 17 minutes					
	20 Min	16" water	3/4" Orifice			58,800 C.F.P.D.
	30 Min	10" water	3/4" Orifice			44,800 C.F.P.D.
			SECOND FLOW			
	5 Min	18" water	3/4" Orifice			60,200 C.F.P.D.
	10 Min	11" water	3/4" Orifice			47,200 C.F.P.D.
	20 Min	10" water	3/4" Orifice			44,800 C.F.P.D.
	30 Min	8" water	3/4" Orifice			40,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/26/81

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 Robert E. Campbell Oil & Gas Oper.

Authorized by Richard A Robba

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 9/26/81 Test Ticket No. 13046

Recorder No. 2607 Capacity 4150 Location 4456 Ft.

Clock No. - Elevation - Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2383 P.S.I.	Open Tool	11:05A M	
B First Initial Flow Pressure	89 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	90 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1090 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	152 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	152 P.S.I.			
G Final Closed-in Pressure	1084 P.S.I.			
H Final Hydrostatic Mud	2289 P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 20 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	0	89		0	90		0	152		0	152
P 2	5	89		3	681		5	152		3	679
P 3	10	89		6	864		10	152		6	843
P 4	15	89		9	916		15	152		9	896
P 5	20	89		12	946		20	152		12	925
P 6	25	89		15	973		25	152		15	952
P 7	30	90		18	998		30	152		18	975
P 8				21	1013					21	990
P 9				24	1029					24	1002
P10				27	1042					27	1013
P11				30	1052					30	1023
P12				33	1061					33	1033
P13				36	1068					36	1044
P14				39	1075					39	1050
P15				42	1082					42	1056
P16				45	1086					45	1063
P17				48	1090					48	1069
P18										51	1073
P19										54	1076
P20										57	1079
										60	1084

IRT # 13046

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