Company Robert E. Campbell Oil & Gas Operations Lease & Well No. #1 Kaufman

Elevation 1587 Kelly Bushing Formation Mississippi Effective Pay --- Ft. Ticket No. 3529

Date 2/18/80 Sec. 8 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Lewis D. Chubb Western Representative Mike Tritt

Formation Test No. 1 Interval Tested from 4135 ft. to 4150 ft. Total Depth 4150 ft.

Packer Depth 4130 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4135 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4137 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 4140 ft. Recorder Number 2605 Cap. 4150

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

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

Mud Type drispac Viscosity 45 Weight Pipe Length 634 I. D. 3.8 in.

Weight 9.2 Water Loss 8.2 cc. Drill Pipe Length 3481 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make No Serial Number - Anchor Length 15 ft. Size 5½OD 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 4½XH-FH in.

Blow: Strong blow throughout first flow period. Strong blow with gas to surface in four minutes on second flow period. See attached sheet for gas measurement

Recovered 64 ft. of muddy salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 ~~A.M.~~ P.M. Time Started Off Bottom 9:50 ~~A.M.~~ P.M. Maximum Temperature 130°

Initial Hydrostatic Pressure ..... (A) 1994 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 36 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1037 P.S.I.

Final Flow Period ..... Minutes 60 (E) 23 P.S.I. to (F) 32 P.S.I.

Final Closed In Period ..... Minutes 66 (G) 960 P.S.I.

Final Hydrostatic Pressure ..... (H) 1989 P.S.I.

GAS FLOW REPORT

Date 2/18/80 Ticket 3529 Company Robert E. Campbell Oil & Gas Operations

Well Name and No. Kaufman #1 Dst No. 1 Interval Tested 4135'-4150'

County Kingman State Kansas Sec. 8 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						
SECOND FLOW						
7:45 OPEN TOOL		SECOND OPENING.				GAS TO SURFACE IN FOUR MINUTES.
7:50	1/4"	orifice	25"	of	water	8,220 CFPD
8:00	1/4"	orifice	34"	of	water	9,790 CFPD
8:10	1/4"	orifice	40"	of	water	10,600 CFPD
8:20	1/4"	orifice	40"	of	water	10,600 CFPD
8:30	1/4"	orifice	38"	of	water	10,400 CFPD
8:40	1/4"	orifice	38"	of	water	10,400 CFPD
8:50	1/4"	orifice	38"	of	water	10,400 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ------ Date to be Invoiced 2/18/80

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.D. Chubb

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 2/18/80 Test Ticket No. 3529

Recorder No. 3354 Capacity 4200 Location 4137 Ft.

Clock No. ----- Elevation 1587 Kelly Bushing Well Temperature 130 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1994	P.S.I.
B	First Initial Flow Pressure	36	P.S.I.
C	First Final Flow Pressure	25	P.S.I.
D	Initial Closed-in Pressure	1037	P.S.I.
E	Second Initial Flow Pressure	23	P.S.I.
F	Second Final Flow Pressure	32	P.S.I.
G	Final Closed-in Pressure	960	P.S.I.
H	Final Hydrostatic Mud	1989	P.S.I.

	Time Given	Time Computed
Open Tool	6:45P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	66 Mins.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	36
P 2	5	23
P 3	10	20
P 4	15	23
P 5	20	23
P 6	25	25
P 7	30	25
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	25
	3	344
	6	506
	9	641
	12	753
	15	829
	18	888
	21	947
	24	973
	27	1004
	30	1037

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	23
	5	23
	10	21
	15	25
	20	29
	25	32
	30	32
	35	32
	40	32
	45	32
	50	32
	55	32
	60	32

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

Point	Minutes	Press.
	0	32
	3	253
	6	376
	9	460
	12	532
	15	597
	18	648
	21	686
	24	723
	27	753
	30	781
	33	802
	36	825
	39	842
	42	859
	45	876
	48	891
	51	903
	54	918
	57	928
	60	939
	63	949

IKL #3529
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