

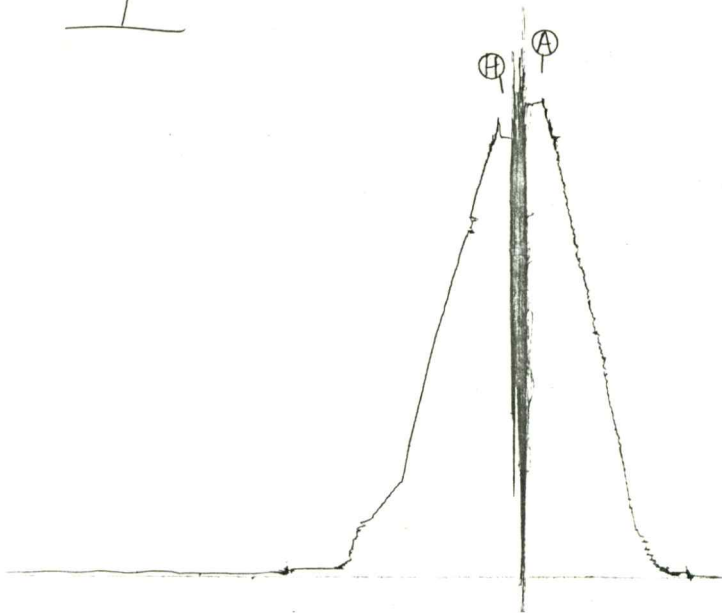
Company Kennedy & Mitchell, Inc. Lease & Well No. #50-692 Dalks
Elevation 2319 Kelly Bushing Formation Mississippi Effective Pay ---- Ft. Ticket No. 15740
Date 11/2/82 Sec. 31 Twp. 29S Range 18W County Kiowa State Kansas
Test Approved by F.E. Osborn Western Representative Darrell Claphan
Formation Test No. 1 Interval Tested from 5040 ft. to 5100 ft. Total Depth 5100 ft.
Packer Depth 5035 ft. Size 6 3/4 in. Packer Depth 5040 ft. Size 6 5/8 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 5042 ft. Recorder Number 10980 Cap. 4200
Bottom Recorder Depth (Outside) 5046 ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Eagle Drlg. Co. Rig #1 Drill Collar Length 518 I. D. 2.2 in.
Mud Type capac Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 4493 I. D. 3.8 in.
Chlorides 17,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
Jars: Make WTC Serial Number 414 Anchor Length 60 ft. Size 5.5 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 4.5 in.

Blow: MISRUN
Recovered ft. of mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of MISRUN NO PACKER SEAT
Remarks: (STRAPPED ANCHOR ON DST) 59.97

Time Set Packer(s) 6:45 A.M. P.M. Time Started Off Bottom 7:00 A.M. P.M. Maximum Temperature -
Initial Hydrostatic Pressure 2599 (A) P.S.I.
Initial Flow Period Minutes (B) - P.S.I. to (C) - P.S.I.
Initial Closed In Period Minutes (D) - P.S.I.
Final Flow Period Minutes (E) - P.S.I. to (F) - P.S.I.
Final Closed In Period Minutes (G) - P.S.I.
Final Hydrostatic Pressure 2413 (H) P.S.I.

TKT # 15740

I



Company Kennedy & Mitchell, Inc. Lease & Well No. #50-692 Dalks
 Elevation 2319 Kelly Bushing Formation Mississippi Effective Pay ---- Ft. Ticket No. 15741
 Date 11/2/82 Sec. 31 Twp. 29S Range 18W County Kiowa State Kansas
 Test Approved by F.E. Osborn Western Representative Darrell Claphan
 Formation Test No. 2 Interval Tested from 5044 ft. to 5100 ft. Total Depth 5100 ft.
 Packer Depth 5039 ft. Size 6 3/4 in. Packer Depth 5044 ft. Size 6 5/8 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 5046 ft. Recorder Number 10980 Cap. 4200
 Bottom Recorder Depth (Outside) 5050 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Eagle Drlg. Co. Rig #1 Drill Collar Length 518 I. D. 2.2 in.
 Mud Type dapac Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4497 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
 Jars: Make WTC Serial Number 414 Anchor Length 56 ft. Size 5.5 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 4.5 in.

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

Recovered 230 ft. of slightly gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read Outside Chart

Time Set Packer(s) 11:45 A.M. Time Started Off Bottom 4:15 A.M. Maximum Temperature 124°
 Initial Hydrostatic Pressure 2566 P.S.I.
 Initial Flow Period 30 Minutes (B) 384 P.S.I. to (C) 395 P.S.I.
 Initial Closed In Period 57 Minutes (D) 1352 P.S.I.
 Final Flow Period 60 Minutes (E) 402 P.S.I. to (F) 402 P.S.I.
 Final Closed In Period 114 Minutes (G) 1337 P.S.I.
 Final Hydrostatic Pressure 2390 P.S.I. (H)

GAS FLOW REPORT

Date 11/2/82 Ticket 15741 Company Kennedy & Mitchell, Inc.
 Well Name and No. Dalks #50-692 Dst No. 2 Interval Tested 5044-5100'
 County Kiowa State Kansas Sec. 31 Twp. 29S Rg. 18W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
Tool open at Approx. 11:45 AM PRE FLOW Gas to surface @ 11:48					
5 min.	16.0 PSIG	1 1/4" orifice			1,064,000 CFPD
10 min.	20.0 PSIG	1 1/4" orifice			1,233,000 CFPD
15 min.	25.0 PSIG	1 1/4" orifice			1,421,000 CFPD
20 min.	26.0 PSIG	1 1/4" orifice			1,462,000 CFPD
25 min.	27.0 PSIG	1 1/4" orifice			1,506,000 CFPD
30 min.	28.0 PSIG	1 1/4" orifice			1,539,000 CFPD
SECOND FLOW					
10 min.	16.0 PSIG	1 1/2" orifice			1,694,000 CFPD
20 min.	17.0 PSIG	1 1/2" orifice			1,760,000 CFPD
30 min.	18.0 PSIG	1 1/2" orifice			1,824,000 CFPD
40 min.	18.0 PSIG	1 1/2" orifice			1,824,000 CFPD
50 min.	18.0 PSIG	1 1/2" orifice			1,824,000 CFPD
60 min.	15.0 PSIG	1 1/2" orifice			1,626,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 11/2/82

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 piug 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 Kennedy & Mitchell, Inc.
 Authorized by F. E. Osborn

WESTERN TESTING CO., INC.

Pressure Data

Date 11/2/82 Test Ticket No. 15741
 Recorder No. 6233 Capacity 4000 Location 5050 Ft.
 Clock No. --- Elevation 2319 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2566	P.S.I.	11:45A	M
B First Initial Flow Pressure	384	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	395	P.S.I.	60	Mins. 57 Mins.
D Initial Closed-in Pressure	1352	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	402	P.S.I.	120	Mins. 114 Mins.
F Second Final Flow Pressure	402	P.S.I.		
G Final Closed-in Pressure	1337	P.S.I.		
H Final Hydrostatic Mud	2390	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>38</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>384</u>	<u>0</u>	<u>395</u>	<u>0</u>	<u>402</u>	<u>0</u>	<u>402</u>
P 2 <u>5</u>	<u>384</u>	<u>3</u>	<u>1252</u>	<u>5</u>	<u>402</u>	<u>3</u>	<u>1210</u>
P 3 <u>10</u>	<u>384</u>	<u>6</u>	<u>1300</u>	<u>10</u>	<u>402</u>	<u>6</u>	<u>1288</u>
P 4 <u>15</u>	<u>386</u>	<u>9</u>	<u>1325</u>	<u>15</u>	<u>402</u>	<u>9</u>	<u>1306</u>
P 5 <u>20</u>	<u>392</u>	<u>12</u>	<u>1334</u>	<u>20</u>	<u>402</u>	<u>12</u>	<u>1316</u>
P 6 <u>25</u>	<u>395</u>	<u>15</u>	<u>1341</u>	<u>25</u>	<u>402</u>	<u>15</u>	<u>1319</u>
P 7 <u>30</u>	<u>395</u>	<u>18</u>	<u>1343</u>	<u>30</u>	<u>402</u>	<u>18</u>	<u>1321</u>
P 8		<u>21</u>	<u>1345</u>	<u>35</u>	<u>402</u>	<u>21</u>	<u>1323</u>
P 9		<u>24</u>	<u>1346</u>	<u>40</u>	<u>402</u>	<u>24</u>	<u>1325</u>
P10		<u>27</u>	<u>1347</u>	<u>45</u>	<u>402</u>	<u>27</u>	<u>1327</u>
P11		<u>30</u>	<u>1348</u>	<u>50</u>	<u>402</u>	<u>30</u>	<u>1329</u>
P12		<u>33</u>	<u>1349</u>	<u>55</u>	<u>402</u>	<u>33</u>	<u>1330</u>
P13		<u>36</u>	<u>1350</u>	<u>60</u>	<u>402</u>	<u>36</u>	<u>1331</u>
P14		<u>39</u>	<u>1351</u>			<u>39</u>	<u>1332</u>
P15		<u>42</u>	<u>1352</u>			<u>42</u>	<u>1333</u>
P16		<u>45</u>	<u>1352</u>			<u>45</u>	<u>1334</u>
P17		<u>48</u>	<u>1352</u>			<u>48</u>	<u>1335</u>
P18		<u>51</u>	<u>1352</u>			<u>51</u>	<u>1336</u>
P19		<u>54</u>	<u>1352</u>			<u>54</u>	<u>1337</u>
P20		<u>57</u>	<u>1352</u>			<u>57</u>	<u>1337</u>
						<u>60</u>	<u>1337</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 11/2/82 Test Ticket No. 15741
 Recorder No. 6233 Capacity 4000 Location 5050 Ft
 Clock No. --- Elevation 2319 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2566	P.S.I.	11:45A	M
B First Initial Flow Pressure	384	P.S.I.	30	Mins. 30 Mins
C First Final Flow Pressure	395	P.S.I.	60	Mins. 57 Mins
D Initial Closed-in Pressure	1352	P.S.I.	60	Mins. 60 Mins
E Second Initial Flow Pressure	402	P.S.I.	120	Mins. 114 Mins
F Second Final Flow Pressure	402	P.S.I.		
G Final Closed-in Pressure	1337	P.S.I.		
H Final Hydrostatic Mud	2390	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>38</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1337
P 2						66	1337
P 3						69	1337
P 4						72	1337
P 5						75	1337
P 6						78	1337
P 7						81	1337
P 8						84	1337
P 9						87	1337
P10						90	1337
P11						93	1337
P12						96	1337
P13						99	1337
P14						102	1337
P15						105	1337
P16						108	1337
P17						111	1337
P18						114	1337
P19							
P20							

TKT # 15741

