Company J. Mark Richardson — Lease & Well No. #1 "D" Mc Fadden

Elevation =- — Formation Mississippi — Effective Pay --- Ft. — Ticket No. 16415

Date 8/30/82 — Sec. 35 — Twp. 27S — Range 20W — County Kiowa — State Kansas

Test Approved by J. Mark Richardson — Western Representative Jeff Piotrowski

Formation Test No. 1 — Interval Tested from 4804 ft. to 4870 ft. — Total Depth 4870 ft.

Packer Depth 4799 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4804 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4860 ft. — Recorder Number 1565 — Cap. 4900

Bottom Recorder Depth (Outside) 4863 ft. — Recorder Number 1560 — Cap. 4500

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

Drilling Contractor Gabbert-Jpnes Drlg. Rig #9 — Drill Collar Length 390 — I. D. 2.2 in.

Mud Type gel — Viscosity 43 — Weight Pipe Length - — I. D. - in.

Weight 9.5 — Water Loss 12.8 cc. — Drill Pipe Length 4385 — I. D. 3.8 in.

Chlorides 25,000 P.P.M. — Test Tool Length 29 ft. — Tool Size 5½OD in.

Jars: Make WTC — Serial Number 405 — Anchor Length 66 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 4½FH in.

Blow: Strong. Gas to surface in ten minutes. 68,800 CFPD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of MISRUN

Recovered ft. of

Remarks: PACKERS HELD FOR FIFTEEN MINUTES THEN FAILED.

Time Set Packer(s) --- A.M. P.M. — Time Started Off Bottom --- A.M. P.M. — Maximum Temperature ?

Initial Hydrostatic Pressure ..... (A) 2409 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.

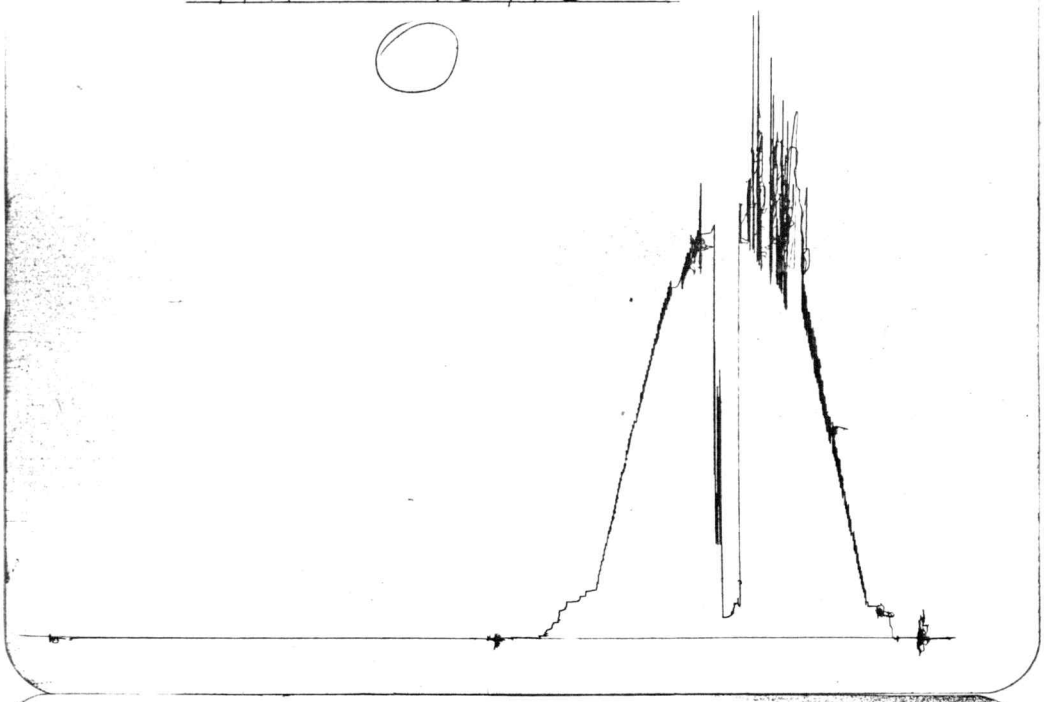
Final Flow Period ..... Minutes ____ (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period ..... Minutes ____ (G) - P.S.I.

Final Hydrostatic Pressure ..... (H) 2352 P.S.I.

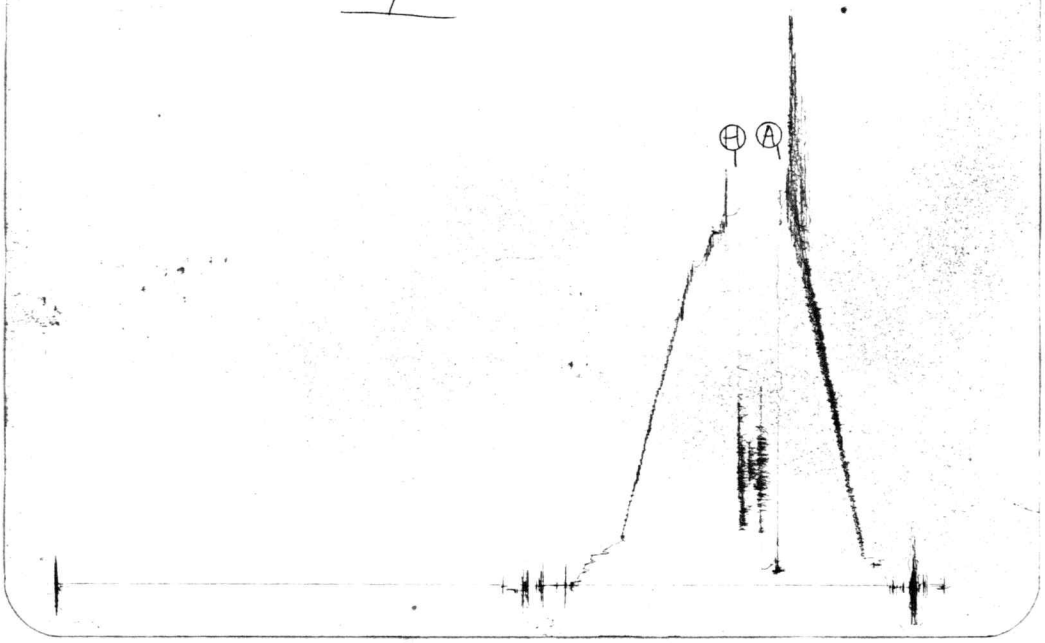
TKT # 16415

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TKT # 16415

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Company J. Mark Richardson | Lease & Well No. #1 "D" Mc Fadden

Elevation =- | Formation Mississippi | Effective Pay --- Ft. | Ticket No. 16416

Date 8/30/82 | Sec. 35 | Twp. 27S | Range 20W | County Kiowa | State Kansas

Test Approved by J. Mark Richardson | Western Representative Jeff Piotrowski

Formation Test No. 2 | Interval Tested from 4863 ft. to 4875 ft. | Total Depth 4875 ft.

Packer Depth 4858 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 4863 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4866 ft. | Recorder Number 1565 | Cap. 4900

Bottom Recorder Depth (Outside) 4869 ft. | Recorder Number 1560 | Cap. 4500

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

Drilling Contractor Gabbert-Jones Drlg. Rig #9 | Drill Collar Length 390 | I. D. 2.2 in.

Mud Type gel | Viscosity 52 | Weight Pipe Length - | I. D. - in.

Weight 9.4 | Water Loss 15.2 cc. | Drill Pipe Length 4414 | I. D. 3.8 in.

Chlorides 27,000 P.P.M. | Test Tool Length 29 ft. | Tool Size 5½OD in.

Jars: Make WTC | Serial Number 405 | Anchor Length 12 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 4½FH in.

Blow: Strong. Gas to surface in twenty-two minutes. See attached sheet for gas measurements.

Recovered 240 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Inconclusive final shut-in.

Time Set Packer(s) 12:45 ~~A.M.~~ P.M. | Time Started Off Bottom 3:15 ~~A.M.~~ P.M. | Maximum Temperature 122°

Initial Hydrostatic Pressure		(A) 2448 P.S.I.		
Initial Flow Period	Minutes 30	(B) 51 P.S.I.	to (C) 80	P.S.I.
Initial Closed In Period	Minutes 30	(D) 1254 P.S.I.		
Final Flow Period	Minutes 60	(E) 109 P.S.I.	to (F) 318	P.S.I.
Final Closed In Period	Minutes 30	(G) 1282 P.S.I.		
Final Hydrostatic Pressure		(H) 2406 P.S.I.		

GAS FLOW REPORT

Date 8/30/82 Ticket 16416 Company J. Mark Richardson

Well Name and No. McFadden #1 -D Dst No. 2 Interval Tested 4863'-4875'

County Kiowa State Kansas Sec. 35 Twp. 27S Rg. 20W

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
PRE FLOW						
30 min.	1.0 PSIG	1/2"	orifice			33,900 CFPD
SECOND FLOW						
10 min.	3.0 PSIG	1/2"	orifice			59,200 CFPD
20 min.	4.0 PSIG	1/2"	orifice			68,800 CFPD
30 min.	2.0 PSIG	1/2"	orifice			47,700 CFPD
40 min.	--					
50 min.	--					
60 min.	--					

GAS BOTTLE

Serial No. ---- Date Bottle Filled --- Date to be Invoiced 8/30/82

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 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 J. Mark Richardson

Authorized by J. Mark Richardson

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 8/30/82 Test Ticket No. 16416

Recorder No. 1565 Capacity 4900 Location 4866 Ft.

Clock No. - Elevation -- Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2448 P.S.I.	Open Tool	12:45P M	
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	80 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1254 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	109 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	318 P.S.I.			
G Final Closed-in Pressure	1282 P.S.I.			
H Final Hydrostatic Mud	2406 P.S.I.			

ALL PRESSURES QUESTIONABLE DUE TO PACKER FAILURE.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	51
P 2 5	51
P 3 10	124
P 4 15	87
P 5 20	82
P 6 25	81
P 7 30	80
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	80
3	81
6	84
9	130
12	495
15	993
18	1170
21	1219
24	1239
27	1249
30	1254

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

Point Minutes	Press.
0	109
5	116
10	124
15	128
20	129
25	176
30	308
35	1434
40	1272
45	1271
50	1273
55	1275
60	318

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

Point Minutes	Press.
0	318
3	1458
6	1362
9	1317
12	1295
15	1286
18	1285
21	1284
24	1283
27	1282
30	1282

1565
DST #2

IKT #16416

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