Company Brandt Oil Company — Lease & Well No. Farber #3

Elevation 1330 Kelly Bushing — Formation Kansas City — Effective Pay ----- Ft. — Ticket No. 6062

Date 7/31/80 — Sec. 17 — Twp. 29S — Range 2E — County Sedgwick — State Kansas

Test Approved by Paul M. Gunzelman — Western Representative Norman Allen

Formation Test No. 1 — Interval Tested from 2748 ft. to 2765 ft. — Total Depth 2765 ft.

Packer Depth 2748 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 2743 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2758 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 2761 ft. — Recorder Number 1560 — Cap. 4500

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

Drilling Contractor Brandt Drilling Company — Drill Collar Length 60 — I. D. 2¼ in.

Mud Type chemical — Viscosity 34 — Weight Pipe Length - — I. D. - in.

Weight 9.3 — Water Loss 16 cc. — Drill Pipe Length 2668 — I. D. 2.7 in.

Chlorides - P.P.M. — Test Tool Length 37 ft. — Tool Size 4½OD in.

Jars: Make -- — Serial Number - — Anchor Length 17 ft. — Size 4½OD 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 3½IF in.

Blow: Weak throughout test.

Recovered 60 ft. of heavy oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 ~~A.M.~~ P.M. — Time Started Off Bottom 10:55 ~~A.M.~~ P.M. — Maximum Temperature 106°

Initial Hydrostatic Pressure			(A) 1399	P.S.I.		
Initial Flow Period	Minutes 30	(B) 40	P.S.I. to	(C) 42	P.S.I.	
Initial Closed In Period	Minutes 27	(D) 158	P.S.I.			
Final Flow Period	Minutes 20	(E) 53	P.S.I. to	(F) 51	P.S.I.	
Final Closed In Period	Minutes 18	(G) 91	P.S.I.			
Final Hydrostatic Pressure			(H) 1380	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 7-31-80 Test Ticket No. 6062

Recorder No. 3354 Capacity 4200 Location 2758 Ft.

Clock No. -------- Elevation 1330 Kelly Bushing Well Temperature 106 °F

Point	Pressure	
A Initial Hydrostatic Mud	1399	P.S.I.
B First Initial Flow Pressure	40	P.S.I.
C First Final Flow Pressure	42	P.S.I.
D Initial Closed-in Pressure	158	P.S.I.
E Second Initial Flow Pressure	53	P.S.I.
F Second Final Flow Pressure	51	P.S.I.
G Final Closed-in Pressure	91	P.S.I.
H Final Hydrostatic Mud	1380	P.S.I.

	Time Given	Time Computed
Open Tool	9:00 PM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	27 Mins.
Second Flow Pressure	35 Mins.	20 Mins.
Final Closed-in Pressure	20 Mins.	18 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	40
P 2 5	40
P 3 10	40
P 4 15	41
P 5 20	41
P 6 25	42
P 7 30	42
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	42
3	49
6	53
9	63
12	76
15	91
18	105
21	122
24	143
27	158

Second Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

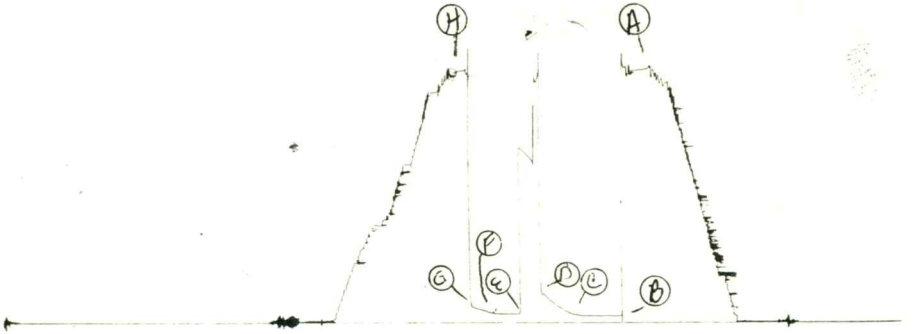
Point Minutes	Press.
0	53
5	51
10	51
15	51
20	51

Final Shut-In
Breakdown: 6 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	51
3	59
6	65
9	74
12	80
15	87
18	91

JK # 6062

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Company Brandt Oil Company — Lease & Well No. Farber #3

Elevation 1330 Kelly Bushing — Formation Simpson Sand — Effective Pay ---- Ft. — Ticket No. 6064

Date 8/4/80 — Sec. 17 — Twp. 29S — Range 2E — County Sedgwick — State Kansas

Test Approved by Paul M. Gunzleman — Western Representative Norman Allen

Formation Test No. 2 — Interval Tested from 3493 ft. to 3512 ft. — Total Depth 3512 ft.

Packer Depth 3493 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3488 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3505 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 3508 ft. — Recorder Number 1560 — Cap. 4500

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

Drilling Contractor Bradt Drlg. Co. Rig #1 — Drill Collar Length 150 — I. D. 2¼ in.

Mud Type chemical — Viscosity 59 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss -- cc. — Drill Pipe Length 3323 — I. D. 2.7 in.

Chlorides -- P.P.M. — Test Tool Length 39 ft. — Tool Size 4½OD in.

Jars: Make - — Serial Number - — Anchor Length 19 ft. — Size 4½OD in.

Did Well Flow? oil-gas — Reversed Out yes — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 3½IF in.

Blow: Strong blow throughout test. Gas to surface twenty-seven minutes. Oil to surface thirty-five minutes.thirty-five minutes.

Recovered ft. of Oil flowed to surface thirty-five minutes. 46 gravity corrected.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:30 A.M. ~~P.M.~~ — Time Started Off Bottom 8:20 A.M. ~~P.M.~~ — Maximum Temperature 118°

Initial Hydrostatic Pressure			(A)	1756	P.S.I.	
Initial Flow Period	Minutes 30	(B)	300	P.S.I. to (C)	1160	P.S.I.
Initial Closed In Period	Minutes 30	(D)	1357	P.S.I.		
Final Flow Period	Minutes 10	(E)	1211	P.S.I. to (F)	1215	P.S.I.
Final Closed In Period	Minutes 30	(G)	1365	P.S.I.		
Final Hydrostatic Pressure			(H)	1686	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 8-4-80 Test Ticket No. 6064

Recorder No. 3354 Capacity 4200 Location 3505 Ft.

Clock No. --- Elevation 1330 Kelly Bushing Well Temperature 118 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1756 P.S.I.	Open Tool		6:30 A. M	
B	First Initial Flow Pressure	300 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	1160 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1357 P.S.I.	Second Flow Pressure		10 Mins.	10 Mins.
E	Second Initial Flow Pressure	1211 P.S.I.	Final Closed-in Pressure		30 Mins.	30 Mins.
F	Second Final Flow Pressure	1215 P.S.I.				
G	Final Closed-in Pressure	1365 P.S.I.				
H	Final Hydrostatic Mud	1686 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	300
P 2	5	477
P 3	10	665
P 4	15	823
P 5	20	958
P 6	25	1070
P 7	30	1160
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	1160
3	1319
6	1331
9	1340
12	1343
15	1346
18	1348
21	1350
24	1353
27	1355
30	1357

Second Flow Pressure
Breakdown: 2 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	1211
5	1222
10	1215

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

Point Minutes	Press.
0	1215
3	1350
6	1357
9	1359
12	1361
15	1361
18	1362
21	1362
24	1363
27	1364
30	1365

Jkt #6064

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