

Company Seelig Oil Corporation Lease & Well No. #1 Steffen
 Elevation 2156 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 17686
 Date 12/17 /82 Sec. 33 Twp. 20S Range 20W County Pawnee State Kansas
 Test Approved by Robert C. Lewellyn Western Representative Gregory Saffa

Formation Test No. 1 Interval Tested from 4245 ft. to 4312 ft. Total Depth 4312 ft.
 Packer Depth 4240 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4245 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4267 ft. Recorder Number 3659 Cap. 4000
 Bottom Recorder Depth (Outside) 4268 ft. Recorder Number 13401 Cap. 4000
 Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. -

Drilling Contractor J.W. Drilling Drill Collar Length -- I. D. - in.
 Mud Type starch Viscosity 45 Weight Pipe Length --- I. D. - in.
 Weight 10.0 Water Loss 10.9 cc. Drill Pipe Length -- I. D. - in.
 Chlorides 22,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 499 Anchor Length 67 ft. Size 5 1/2 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 1/2 XH in.

Blow: Weak blow throughout test.

Recovered 120 ft. of mud with oil spots
 Recovered ft. of light scum of oil on top of tool
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:15 A.M. Time Started Off Bottom 10:00 A.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure (A) 2265 P.S.I.
 Initial Flow Period Minutes 30 (B) 62 P.S.I. to (C) 62 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1280 P.S.I.
 Final Flow Period Minutes 90 (E) 81 P.S.I. to (F) 85 P.S.I.
 Final Closed In Period Minutes 90 (G) 1282 P.S.I.
 Final Hydrostatic Pressure (H) 2186 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/17/82

Test Ticket No. 17686

Recorder No. 3659 Capacity 4000 Location 4267 Ft.

Clock No. --- Elevation 2156 Kelly Bushing Well Temperature 118 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2265	P.S.I.	Open Tool	6:15	M
B First Initial Flow Pressure	62	P.S.I.	First Flow Pressure	30	30 Mins.
C First Final Flow Pressure	62	P.S.I.	Initial Closed-in Pressure	45	45 Mins.
D Initial Closed-in Pressure	1280	P.S.I.	Second Flow Pressure	90	90 Mins.
E Second Initial Flow Pressure	81	P.S.I.	Final Closed-in Pressure	90	90 Mins.
F Second Final Flow Pressure	85	P.S.I.			
G Final Closed-in Pressure	1282	P.S.I.			
H Final Hydrostatic Mud	2186	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a 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>62</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>85</u>	
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>112</u>	<u>5</u>	<u>81</u>	<u>3</u>	<u>106</u>	
P 3 <u>10</u>	<u>62</u>	<u>6</u>	<u>290</u>	<u>10</u>	<u>81</u>	<u>6</u>	<u>149</u>	
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>590</u>	<u>15</u>	<u>81</u>	<u>9</u>	<u>220</u>	
P 5 <u>20</u>	<u>62</u>	<u>12</u>	<u>821</u>	<u>20</u>	<u>81</u>	<u>12</u>	<u>339</u>	
P 6 <u>25</u>	<u>62</u>	<u>15</u>	<u>1000</u>	<u>25</u>	<u>81</u>	<u>15</u>	<u>516</u>	
P 7 <u>30</u>	<u>62</u>	<u>18</u>	<u>1109</u>	<u>30</u>	<u>81</u>	<u>18</u>	<u>709</u>	
P 8 _____	_____	<u>21</u>	<u>1181</u>	<u>35</u>	<u>82</u>	<u>21</u>	<u>888</u>	
P 9 _____	_____	<u>24</u>	<u>1222</u>	<u>40</u>	<u>82</u>	<u>24</u>	<u>1008</u>	
P10 _____	_____	<u>27</u>	<u>1244</u>	<u>45</u>	<u>82</u>	<u>27</u>	<u>1069</u>	
P11 _____	_____	<u>30</u>	<u>1254</u>	<u>50</u>	<u>82</u>	<u>30</u>	<u>1117</u>	
P12 _____	_____	<u>33</u>	<u>1261</u>	<u>55</u>	<u>82</u>	<u>33</u>	<u>1155</u>	
P13 _____	_____	<u>36</u>	<u>1267</u>	<u>60</u>	<u>82</u>	<u>36</u>	<u>1178</u>	
P14 _____	_____	<u>39</u>	<u>1273</u>	<u>65</u>	<u>83</u>	<u>39</u>	<u>1199</u>	
P15 _____	_____	<u>42</u>	<u>1276</u>	<u>70</u>	<u>83</u>	<u>42</u>	<u>1215</u>	
P16 _____	_____	<u>45</u>	<u>1280</u>	<u>75</u>	<u>84</u>	<u>45</u>	<u>1226</u>	
P17 _____	_____	_____	_____	<u>80</u>	<u>84</u>	<u>48</u>	<u>1233</u>	
P18 _____	_____	_____	_____	<u>85</u>	<u>85</u>	<u>51</u>	<u>1240</u>	
P19 _____	_____	_____	_____	<u>90</u>	<u>85</u>	<u>54</u>	<u>1247</u>	
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1254</u>	
						<u>60</u>	<u>1261</u>	

WESTERN TESTING CO., INC.
Pressure Data

Date 12/17/82

Test Ticket No. 17686

Recorder No. 3659 Capacity 4000 Location 4267 Ft.

Clock No. --- Elevation 2156 Kelly Bushing Well Temperature 118 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2265 P.S.I.	Open Tool		6:15	M
B First Initial Flow Pressure	62 P.S.I.	First Flow Pressure		30	30
C First Final Flow Pressure	62 P.S.I.	Initial Closed-in Pressure		45	45
D Initial Closed-in Pressure	1280 P.S.I.	Second Flow Pressure		90	90
E Second Initial Flow Pressure	81 P.S.I.	Final Closed-in Pressure		90	90
F Second Final Flow Pressure	85 P.S.I.				
G Final Closed-in Pressure	1282 P.S.I.				
H Final Hydrostatic Mud	2186 P.S.I.				

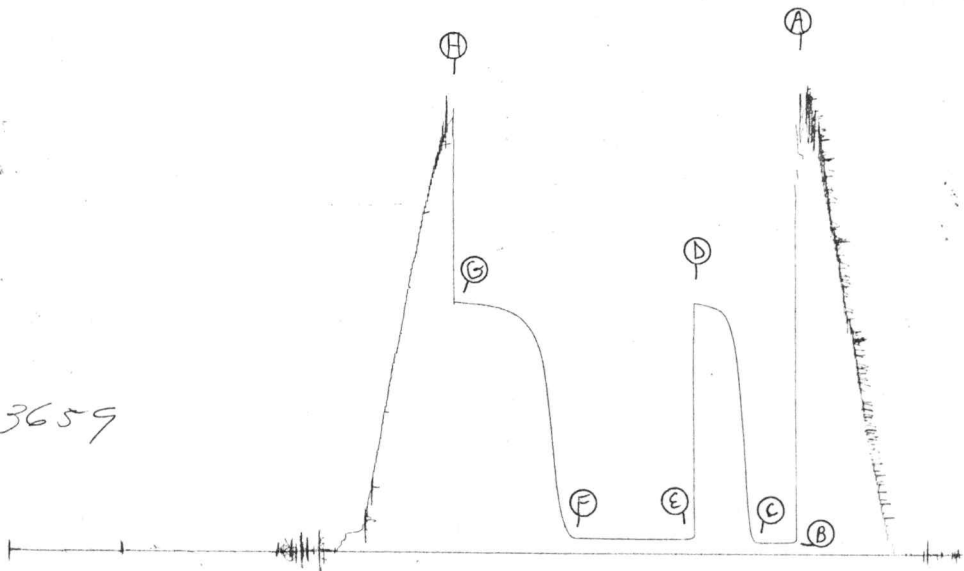
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Initial Shut-In	Point Minutes	Second Flow Pressure	Point Minutes	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.		Press.		Press.		Press.
P 1						63	1264
P 2						66	1267
P 3						69	1270
P 4						72	1273
P 5						75	1275
P 6						78	1277
P 7						81	1279
P 8						84	1280
P 9						87	1281
P10						90	1282
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 17686

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Company Seelig Oil Corporation Lease & Well No. #1 Steffen
 Elevation 2156 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 17687
 Date 12/18 /82 Sec. 33 Twp. 20S Range 20W County Pawnee State Kansas
 Test Approved by Robert C. Lewellyn Western Representative Gregory Saffa

Formation Test No. 2 Interval Tested from 4245 ft. to 4322 ft. Total Depth 4322 ft.
 Packer Depth 4240 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4245 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4249 ft. Recorder Number 3659 Cap. 4000
 Bottom Recorder Depth (Outside) 4250 ft. Recorder Number 13401 Cap. 4000
 Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. -

Drilling Contractor J. W. Drilling Drill Collar Length --- I. D. - in.
 Mud Type starch Viscosity 48 Weight Pipe Length --- I. D. - in.
 Weight 10.0 Water Loss 11.0 cc. Drill Pipe Length -- I. D. - in.
 Chlorides 15,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 499 Anchor Length 77 ft. Size 5 1/2 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 1/2 XH in.

Blow: Started weak on initial flow period built to fair six inches in bucket. Final flow period started weak built to fair four and one half inches in bucket.

Recovered 240 ft. of light oil cut mud with gas
 Recovered 360 ft. of heavy oil cut mud with gas
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Read bottom recorder #13401

Time Set Packer(s) 9:30 A.M. P.M. Time Started Off Bottom 2:15 A.M. P.M. Maximum Temperature 119°
 Initial Hydrostatic Pressure 2242 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 84 P.S.I. to (C) 117 P.S.I.
 Initial Closed In Period 45 Minutes (D) 1262 P.S.I.
 Final Flow Period 120 Minutes (E) 192 P.S.I. to (F) 309 P.S.I.
 Final Closed In Period 87 Minutes (G) 1260 P.S.I.
 Final Hydrostatic Pressure 2184 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 12/18/82 Test Ticket No. 17687
 Recorder No. 13401 Capacity 4000 Location 4250 Ft.
 Clock No. --- Elevation 2156 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2242	P.S.I.	9:30	M
B First Initial Flow Pressure	84	P.S.I.	30	Mins 30 Mins.
C First Final Flow Pressure	117	P.S.I.	45	Mins 45 Mins.
D Initial Closed-in Pressure	1262	P.S.I.	120	Mins 120 Mins.
E Second Initial Flow Pressure	192	P.S.I.	90	Mins 87 Mins.
F Second Final Flow Pressure	309	P.S.I.		
G Final Closed-in Pressure	1260	P.S.I.		
H Final Hydrostatic Mud	2184	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>39</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	0	0	117	0	192	0	309
P 2	5	3	817	5	192	3	904
P 3	10	6	1042	10	192	6	1058
P 4	15	9	1131	15	192	9	1115
P 5	20	12	1168	20	192	12	1151
P 6	25	15	1187	25	195	15	1175
P 7	30	18	1205	30	200	18	1189
P 8		21	1214	35	205	21	1202
P 9		24	1226	40	210	24	1210
P10		27	1236	45	221	27	1217
P11		30	1244	50	226	30	1224
P12		33	1248	55	231	33	1228
P13		36	1252	60	239	36	1232
P14		39	1256	65	246	39	1236
P15		42	1259	70	253	42	1240
P16		45	1262	75	262	45	1243
P17				80	269	48	1245
P18				85	279	51	1247
P19				90	287	54	1249
P20				95	293	57	1251
				100	296	60	1253

WESTERN TESTING CO., INC.

Pressure Data

Date 12/18/82 Test Ticket No. 17687
 Recorder No. 13401 Capacity 4000 Location 4250 Ft.
 Clock No. --- Elevation 2156 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2242</u> P.S.I.	Open Tool	<u>9:30</u>	<u>M</u>
B First Initial Flow Pressure	<u>84</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>117</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1262</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>192</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>87</u> Mins.
F Second Final Flow Pressure	<u>309</u> P.S.I.			
G Final Closed-in Pressure	<u>1260</u> P.S.I.			
H Final Hydrostatic Mud	<u>2184</u> 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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 24 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 39 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				105	299	63	1254
P 2				110	303	66	1255
P 3				115	306	69	1256
P 4				120	309	72	1257
P 5						75	1258
P 6						78	1259
P 7						81	1260
P 8						84	1260
P 9						87	1260
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 17687



13401

