

Company Petro-Dynamics, Ltd. Lease & Well No. Erskine #1
 Elevation 1261 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 12799
 Date 1/2/82 Sec. 32 Twp. 31S31 Range 3W County Sumner State Kansas
 Test Approved by B. Flaker Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 4385 ft. to 4400 ft. Total Depth 4524 ft.
 Packer Depth 4379 ft. Size 6 3/4 in. Packer Depth 4400 ft. Size 6 3/4 in.
 Packer Depth 4383 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4383 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 4495 ft. Recorder Number WESTERN Cap. -
 Below Straddle Recorder Depth 4416 ft. Recorder Number 10979 Cap. 4100

Drilling Contractor Big Horn Drlg. Rig #3 Drill Collar Length 420 I. D. - in.
 Mud Type zeogel Viscosity 49 Weight Pipe Length - I. D. - in.
 Weight 10 Water Loss 15 cc. Drill Pipe Length - I. D. - in.
 Chlorides 20,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.
 Jars: Make WIC Serial Number 403 Anchor Length 17 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 325 ft. of muddy salt water
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: Replaced brake blocks on rig.

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		<u>30</u> (A)	<u>2272</u> P.S.I.	
Initial Flow Period		<u>60</u> (B)	<u>40</u> P.S.I. to (C)	<u>59</u> P.S.I.
Initial Closed In Period		<u>45</u> (D)	<u>1605</u> P.S.I.	
Final Flow Period		<u>90</u> (E)	<u>104</u> P.S.I. to (F)	<u>120</u> P.S.I.
Final Closed In Period		<u>90</u> (G)	<u>1599</u> P.S.I.	
Final Hydrostatic Pressure			<u>2272</u> P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 1/2/82 Recorder No. 2605 Capacity 4150 Test Ticket No. 12799
 Clock No. - Elevation 1261 Kelly Bushing Location 4383 Ft. -
 Well Temperature - °F

Point	Pressure			Time Given	Time Computed
				6:10P	M
A Initial Hydrostatic Mud	2272	P.S.I.	Open Tool	30	30
B First Initial Flow Pressure	40	P.S.I.	First Flow Pressure	60	60
C First Final Flow Pressure	50	P.S.I.	Initial Closed-in Pressure	45	45
D Initial Closed-in Pressure	1605	P.S.I.	Second Flow Pressure	90	90
E Second Initial Flow Pressure	104	P.S.I.	Final Closed-in Pressure		
F Second Final Flow Pressure	120	P.S.I.			
G Final Closed-in Pressure	1599	P.S.I.			
H Final Hydrostatic Mud	2272	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.
	6		20		9		30	
	of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
	Press.	Point Minutes						
P 1	40	0	59	0	104	0	120	
P 2	40	3	975	5	104	3	846	
P 3	40	6	1207	10	104	6	1149	
P 4	41	9	1302	15	104	9	1240	
P 5	44	12	1359	20	104	12	1307	
P 6	51	15	1400	25	104	15	1340	
P 7	59	18	1437	30	106	18	1371	
P 8		21	1456	35	111	21	1406	
P 9		24	1481	40	116	24	1429	
P10		27	1504	45	120	27	1446	
P11		30	1517			30	1467	
P12		33	1531			33	1479	
P13		36	1542			36	1492	
P14		39	1551			39	1502	
P15		42	1560			42	1512	
P16		45	1567			45	1521	
P17		48	1575			48	1531	
P18		51	1584			51	1540	
P19		54	1589			54	1546	
P20		57	1598			57	1551	
		60	1605			60	1558	

WESTERN TESTING CO., INC.
Pressure Data

Date 1/2/82 Test Ticket No. 12799
 Recorder No. 2605 Capacity 4150 Location 4383 Ft.
 Clock No. - Elevation 1261 Kelly Bushing Well Temperature - °F

Point	Pressure	P.S.I.		Time Given	Time Computed
A Initial Hydrostatic Mud	2272	P.S.I.	Open Tool	6:10P	M
B First Initial Flow Pressure	40	P.S.I.	First Flow Pressure	30	30 Mins.
C First Final Flow Pressure	50	P.S.I.	Initial Closed-in Pressure	60	60 Mins.
D Initial Closed-in Pressure	1605	P.S.I.	Second Flow Pressure	45	45 Mins.
E Second Initial Flow Pressure	104	P.S.I.	Final Closed-in Pressure	90	90 Mins.
F Second Final Flow Pressure	120	P.S.I.			
G Final Closed-in Pressure	1599	P.S.I.			
H Final Hydrostatic Mud	2272	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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

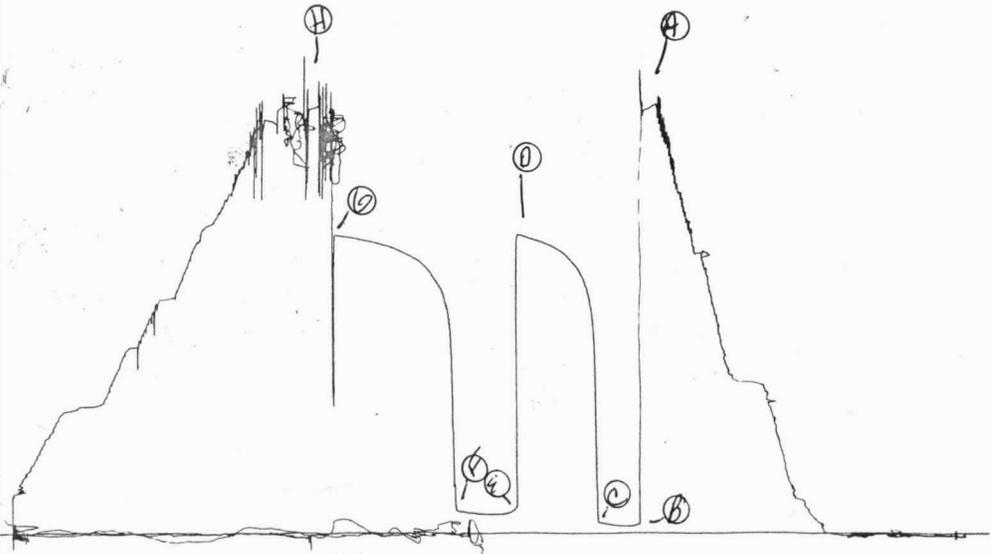
Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 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						63	1563
P 2						66	1569
P 3						69	1571
P 4						72	1577
P 5						75	1582
P 6						78	1588
P 7						81	1590
P 8						84	1592
P 9						87	1595
P10						90	1599
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK # 12799

I



TK # 12799
Below Straddle

