

W. T. HAGLER
H. L. HAGLER
W. M. GATES
D. R. WATSON, JR.
R. W. HARRINGTON
L. W. BOERM
W. D. STEWART
D. F. JONES
D. M. McREYNOLDS
J. W. HARRINGTON
J. N. CASPARIS
FIELD PETROLEUM ENGINEERS

WEST TEXAS Engineering SERVICE INC.

P. O. BOX 4456
MUTUAL 2-5361

2209 WEST SOUTH FRONT
MIDLAND, TEXAS

FULL INSURANCE
COVERAGE

INDIVIDUAL WELL DATA SHEET

Company Cabot Carbon Company Lease H. L. Lowe "B" Well No. 1
Field King - Devonian County Lea State New Mexico
Test Date 10 16 58 Time 7:00 pm Status of Well Shut In
Top of Pay Total Depth Producing Formation Devonian
Tubing 1 1/2 " Depth 10,100 ' B.H.C. Packer Pressure Datum -8600
Casing " Depth ' Perf. Liner Packer

Depth Feet	Δ Depth	Pressure Lbs. Sq. In.	Δ Pressure	*Gradient Lbs./Ft.	
<u>Surface</u>		<u>1124</u>			Casing Press. <u>Packer</u>
<u>2300</u>	<u>2300</u>		<u>521</u>	<u>.226</u>	Tubing Press. <u>1124</u>
	<u>4000</u>	<u>1645</u>			Top of Fluid <u>595</u>
<u>6300</u>		<u>2806</u>	<u>1161</u>	<u>.290</u>	Top of Water <u>No</u>
	<u>2000</u>		<u>580</u>	<u>.290</u>	Hrs. - Shut In <u>83.0</u>
<u>8300</u>		<u>3386</u>			Temp. @ <u>10,000' = 156 °F</u>
	<u>1000</u>		<u>275</u>	<u>.275</u>	Elevation <u>3856 DF</u>
<u>9300</u>		<u>3661</u>			Last Test Date <u>11 4 57</u>
	<u>500</u>		<u>139</u>	<u>.277</u>	Press. Last Test <u>4653 @ Datum</u>
<u>9800</u>		<u>3800</u>			B.H.P. Change <u>-65/346 Days</u>
	<u>200</u>		<u>59</u>	<u>.297</u>	Grav - Loss/Day <u>.187</u>
<u>10,000 Run Depth</u>		<u>3859</u>			Choke Size <u> </u>
	<u>+2456</u>		<u>+729</u>	<u>(.297)</u>	Oils Bbls/day <u> </u>
<u>12,456 Datum</u>		<u>4588</u>			Water Bbls/day <u> </u>
					Total Bbls/day <u> </u>
					Orifice & Line <u> </u>
					Static & Differential <u> </u>
					Gas Sp. Gr. <u> </u>
					Cu. Ft./day <u> </u>
					GOR <u> </u>
					GFR <u> </u>

PRODUCTIVITY INDEX - BBLs./DAY/LBS. DROP

Last Cumulative Production	Present Cumulative Production	Production Between Tests
Instrument <u>Amerada</u>	Number <u>RPG 2137</u> BR <u> </u>	Recovery Factor Bbls./pound Loss <u> </u>
Run By <u>J. W. Harrington</u>	Calibration No. <u>728</u> (a) <u>TC*</u> °F	Calculated By <u>R. W. Harrington</u>

* Pressure and Gradients are calculated in decimals. Pressure and Δ pressure are shown to the nearest pound.

Calculations and Remarks: *Temperature Compensated Instrument

P. O. BOX 4158
MIDLAND 2-5501
3200 WEST SOUTH FRONT
MIDLAND, TEXAS
FULL INSURANCE
COVERAGE

WEST TEXAS LOGGING SERVICE INC.

MR. T. HARRIS
MR. J. HARRIS
MR. W. M. DAVIS
MR. R. W. HARRIS
MR. L. W. BROWN
MR. W. O. STEWART
MR. D. F. JONES
MR. D. M. MORRISON
MR. J. W. HARRIS
MR. J. M. CARRAS
FIELD PATROLMAN HARRIS

INDIVIDUAL WELL DATA SHEET

Company Calco Garden Company Lease A. L. Lowe "B" Well No. 1
Field Aling - Devonian County Lea State New Mexico
Test Date 12 16 55 Time 7:00 PM Static of Well Shut in
Top of Pay Devonian Producing Formation Devonian
Trubing 1 1/2" Depth 10,100' B.H.C. Packer Pressure Column -8800'
Casing " Depth " Pch. " Liner Packer

Depth Feet	Pressure Lbs. Sq. In.	Δ Pressure	Gradient Lbs./In.	
Surface	1134			Casing Press. Packer
2300	2300	231	.224	Trubing Press. 1134
3300	1645			Top of Fluid 502
4000		1101	.220	Top of Water 114
6300	2806			First Shut in 52.0
8000	3082	280	.220	Temp. @ 10,000' = 120.7
8300	1000	278	.212	Elevation 3856 DF
9300	3881			Last Test Date 11 4 57
9800	307	132	.217	Press. Last Test 4623 @ Datum
	3800			R.H.P. Change - 52/348 Days
	200	32	.227	Gain - Loss/Day .187
10,000 Run Depth	3856			Choke Size
+4452	+452			Oil Bbls/day
12,452 1/2 in.	4788			Water Bbls/day
				Total Bbls/day
				Orifice & Line
				Static & Differential
				Gas Sp. Gr.
				Gas Fl./day
				GPR
				GPR

PRODUCTIVITY INDEX - BBLs/DAY/PSI DROP

Instrument	Amperage	Number	RFG	RR	Recovery Factor	Production Between Tests	Production	Last Cumulative
			2137					

Run By J. W. Harrington Calibration No 726 (MTC) Calculated By R. W. Harrington

* Pressure and Gradients are calculated in decimals. Pressure and Δ pressure are shown to the nearest pound.

Calculations and Remarks: *Temperature Compensated Instrument