

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

COMPANY: POGO PRODUCING

LEASE: STATE L 922

FIELD:

COUNTY: LEA

STATUS: BOTTOM HOLE PRESSURE BUILD UP TEST

CONTACT: BILL GILL

WELL: #2

ZONE:

STATE: NEW MEXICO

OPERATOR: BO FAULKENBERRY

PERFORATIONS FROM: 12,652.0'

DEPTH: 12,600.0'

TO: 12,682.0'

TEMPERATURE: 240.0°F

ELEMENT: RFG3#46519

CLOCK: 33842

ELEMENT: RFG3#24347

CLOCK: 27192

RANGE: 10175 psig

RANGE: 72 hrs

RANGE: 12300 psig

RANGE: 72 hrs

SURFACE PRESSURE MEASUREMENTS

EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	08/17/85	14:28:00	2,300.0 psig
SET ELEMENT	08/17/85	15:25:00	2,300.0 psig
WELL SHUT IN	08/17/85	16:30:00	1,649.0 psig
TEST ENDED	08/19/85	21:41:00	3,340.0 psig

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/17/85	15:27:58	-1.034	6,245.2	6,258.4	6,290.4
08/17/85	15:30:00	-1.000	6,213.1	6,226.3	6,258.3
08/17/85	15:45:00	-.750	5,976.9	5,990.1	6,022.1
08/17/85	16:00:00	-.500	5,755.8	5,769.0	5,801.0
08/17/85	16:15:00	-.250	5,554.9	5,568.1	5,600.1
08/17/85	16:30:00	0.000	5,248.8	5,262.0	5,294.0
08/17/85	16:35:00	.083	5,361.8	5,375.0	5,407.0
08/17/85	16:40:00	.167	5,479.0	5,492.2	5,524.2
08/17/85	16:45:00	.250	5,603.1	5,616.3	5,648.3
08/17/85	16:50:00	.333	5,727.3	5,740.5	5,772.5
08/17/85	16:55:00	.417	5,848.2	5,861.4	5,893.4
08/17/85	17:00:00	.500	5,968.1	5,981.3	6,013.3
08/17/85	17:05:00	.583	6,088.0	6,101.2	6,133.2
08/17/85	17:10:00	.667	6,206.0	6,219.2	6,251.2
08/17/85	17:15:00	.750	6,323.5	6,336.7	6,368.7
08/17/85	17:20:00	.833	6,441.0	6,454.2	6,486.2
08/17/85	17:25:00	.917	6,558.5	6,571.7	6,603.7
08/17/85	17:30:00	1.000	6,658.7	6,671.9	6,703.9
08/17/85	17:35:00	1.083	6,750.9	6,764.1	6,796.1
08/17/85	17:40:00	1.167	6,843.1	6,856.3	6,888.3
08/17/85	17:45:00	1.250	6,909.4	6,922.6	6,954.6
08/17/85	17:50:00	1.333	6,962.1	6,975.3	7,007.3

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DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/17/85	17:55:00	1.417	7,009.6	7,022.8	7,054.8
08/17/85	18:00:00	1.500	7,049.5	7,062.7	7,094.7
08/17/85	18:05:00	1.583	7,078.5	7,091.7	7,123.7
08/17/85	18:10:00	1.667	7,104.7	7,117.9	7,149.9
08/17/85	18:15:00	1.750	7,126.9	7,140.1	7,172.1
08/17/85	18:20:00	1.833	7,148.5	7,161.7	7,193.7
08/17/85	18:25:00	1.917	7,160.6	7,173.8	7,205.8
08/17/85	18:30:00	2.000	7,172.7	7,185.9	7,217.9
08/17/85	18:45:00	2.250	7,201.3	7,214.5	7,246.5
08/17/85	19:00:00	2.500	7,223.7	7,236.9	7,268.9
08/17/85	19:15:00	2.750	7,237.3	7,250.5	7,282.5
08/17/85	19:30:00	3.000	7,250.4	7,263.6	7,295.6
08/17/85	19:45:00	3.250	7,260.2	7,273.4	7,305.4
08/17/85	20:00:00	3.500	7,269.9	7,283.1	7,315.1
08/17/85	20:15:00	3.750	7,278.6	7,291.8	7,323.8
08/17/85	20:30:00	4.000	7,285.4	7,298.6	7,330.6
08/17/85	20:45:00	4.250	7,292.2	7,305.4	7,337.4
08/17/85	21:00:00	4.500	7,296.6	7,309.8	7,341.8
08/17/85	21:15:00	4.750	7,300.4	7,313.6	7,345.6
08/17/85	21:30:00	5.000	7,304.2	7,317.4	7,349.4
08/17/85	21:45:00	5.250	7,308.0	7,321.2	7,353.2
08/17/85	22:00:00	5.500	7,311.8	7,325.0	7,357.0
08/17/85	22:15:00	5.750	7,315.4	7,328.6	7,360.6
08/17/85	22:30:00	6.000	7,318.6	7,331.8	7,363.8
08/17/85	22:45:00	6.250	7,321.9	7,335.1	7,367.1
08/17/85	23:00:00	6.500	7,325.2	7,338.4	7,370.4
08/17/85	23:15:00	6.750	7,328.5	7,341.7	7,373.7
08/17/85	23:30:00	7.000	7,331.7	7,344.9	7,376.9
08/17/85	23:45:00	7.250	7,335.0	7,348.2	7,380.2
08/18/85	00:00:00	7.500	7,338.1	7,351.3	7,383.3
08/18/85	00:15:00	7.750	7,340.5	7,353.7	7,385.7
08/18/85	00:30:00	8.000	7,342.9	7,356.1	7,388.1
08/18/85	00:45:00	8.250	7,345.4	7,358.6	7,390.6
08/18/85	01:00:00	8.500	7,347.8	7,361.0	7,393.0
08/18/85	01:15:00	8.750	7,350.2	7,363.4	7,395.4
08/18/85	01:30:00	9.000	7,352.6	7,365.8	7,397.8
08/18/85	01:45:00	9.250	7,355.0	7,368.2	7,400.2
08/18/85	02:00:00	9.500	7,357.4	7,370.6	7,402.6
08/18/85	02:15:00	9.750	7,359.8	7,373.0	7,405.0
08/18/85	02:30:00	10.000	7,362.2	7,375.4	7,407.4
08/18/85	02:45:00	10.250	7,364.0	7,377.2	7,409.2
08/18/85	03:00:00	10.500	7,365.6	7,378.8	7,410.8
08/18/85	03:15:00	10.750	7,367.3	7,380.5	7,412.5
08/18/85	03:30:00	11.000	7,369.0	7,382.2	7,414.2
08/18/85	03:45:00	11.250	7,370.7	7,383.9	7,415.9
08/18/85	04:00:00	11.500	7,372.3	7,385.5	7,417.5

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SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/18/85	04:15:00	11.750	7,374.0	7,387.2	7,419.2
08/18/85	04:30:00	12.000	7,375.7	7,388.9	7,420.9
08/18/85	04:45:00	12.250	7,377.4	7,390.6	7,422.6
08/18/85	05:00:00	12.500	7,379.0	7,392.2	7,424.2
08/18/85	05:15:00	12.750	7,380.5	7,393.7	7,425.7
08/18/85	05:30:00	13.000	7,382.1	7,395.3	7,427.3
08/18/85	05:45:00	13.250	7,383.7	7,396.9	7,428.9
08/18/85	06:00:00	13.500	7,385.2	7,398.4	7,430.4
08/18/85	06:15:00	13.750	7,386.8	7,400.0	7,432.0
08/18/85	06:30:00	14.000	7,388.4	7,401.6	7,433.6
08/18/85	06:45:00	14.250	7,390.0	7,403.2	7,435.2
08/18/85	07:00:00	14.500	7,391.5	7,404.7	7,436.7
08/18/85	07:15:00	14.750	7,393.1	7,406.3	7,438.3
08/18/85	07:30:00	15.000	7,394.6	7,407.8	7,439.8
08/18/85	07:45:00	15.250	7,395.9	7,409.1	7,441.1
08/18/85	08:00:00	15.500	7,397.3	7,410.5	7,442.5
08/18/85	08:15:00	15.750	7,398.6	7,411.8	7,443.8
08/18/85	08:30:00	16.000	7,399.9	7,413.1	7,445.1
08/18/85	08:45:00	16.250	7,401.3	7,414.5	7,446.5
08/18/85	09:00:00	16.500	7,402.6	7,415.8	7,447.8
08/18/85	09:15:00	16.750	7,403.9	7,417.1	7,449.1
08/18/85	09:30:00	17.000	7,405.3	7,418.5	7,450.5
08/18/85	09:45:00	17.250	7,406.6	7,419.8	7,451.8
08/18/85	10:00:00	17.500	7,408.0	7,421.2	7,453.2
08/18/85	10:15:00	17.750	7,409.4	7,422.6	7,454.6
08/18/85	10:30:00	18.000	7,410.9	7,424.1	7,456.1
08/18/85	10:45:00	18.250	7,412.3	7,425.5	7,457.5
08/18/85	11:00:00	18.500	7,413.7	7,426.9	7,458.9
08/18/85	11:15:00	18.750	7,415.1	7,428.3	7,460.3
08/18/85	11:30:00	19.000	7,416.6	7,429.8	7,461.8
08/18/85	11:45:00	19.250	7,418.0	7,431.2	7,463.2
08/18/85	12:00:00	19.500	7,419.4	7,432.6	7,464.6
08/18/85	12:15:00	19.750	7,420.8	7,434.0	7,466.0
08/18/85	12:30:00	20.000	7,422.2	7,435.4	7,467.4
08/18/85	12:45:00	20.250	7,423.4	7,436.6	7,468.6
08/18/85	13:00:00	20.500	7,424.1	7,437.3	7,469.3
08/18/85	13:15:00	20.750	7,424.8	7,438.0	7,470.0
08/18/85	13:30:00	21.000	7,425.4	7,438.6	7,470.6
08/18/85	13:45:00	21.250	7,426.1	7,439.3	7,471.3
08/18/85	14:00:00	21.500	7,426.8	7,440.0	7,472.0
08/18/85	14:15:00	21.750	7,427.5	7,440.7	7,472.7
08/18/85	14:30:00	22.000	7,428.1	7,441.3	7,473.3
08/18/85	14:45:00	22.250	7,428.8	7,442.0	7,474.0
08/18/85	15:00:00	22.500	7,429.5	7,442.7	7,474.7
08/18/85	15:15:00	22.750	7,430.2	7,443.4	7,475.4
08/18/85	15:30:00	23.000	7,430.8	7,444.0	7,476.0

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PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/18/85	15:45:00	23.250	7,431.5	7,444.7	7,476.7
08/18/85	16:00:00	23.500	7,432.2	7,445.4	7,477.4
08/18/85	16:15:00	23.750	7,432.9	7,446.1	7,478.1
08/18/85	16:30:00	24.000	7,433.8	7,447.0	7,479.0
08/18/85	16:45:00	24.250	7,434.6	7,447.8	7,479.8
08/18/85	17:00:00	24.500	7,435.5	7,448.7	7,480.7
08/18/85	17:15:00	24.750	7,436.4	7,449.6	7,481.6
08/18/85	17:30:00	25.000	7,437.2	7,450.4	7,482.4
08/18/85	17:45:00	25.250	7,438.1	7,451.3	7,483.3
08/18/85	18:00:00	25.500	7,439.0	7,452.2	7,484.2
08/18/85	18:15:00	25.750	7,439.8	7,453.0	7,485.0
08/18/85	18:30:00	26.000	7,440.7	7,453.9	7,485.9
08/18/85	18:45:00	26.250	7,441.6	7,454.8	7,486.8
08/18/85	19:00:00	26.500	7,442.4	7,455.6	7,487.6
08/18/85	19:15:00	26.750	7,443.3	7,456.5	7,488.5
08/18/85	19:30:00	27.000	7,444.2	7,457.4	7,489.4
08/18/85	19:45:00	27.250	7,445.0	7,458.2	7,490.2
08/18/85	20:00:00	27.500	7,445.9	7,459.1	7,491.1
08/18/85	20:15:00	27.750	7,446.8	7,460.0	7,492.0
08/18/85	20:30:00	28.000	7,447.6	7,460.8	7,492.8
08/18/85	20:45:00	28.250	7,448.1	7,461.3	7,493.3
08/18/85	21:00:00	28.500	7,448.4	7,461.6	7,493.6
08/18/85	21:15:00	28.750	7,448.7	7,461.9	7,493.9
08/18/85	21:30:00	29.000	7,449.0	7,462.2	7,494.2
08/18/85	21:45:00	29.250	7,449.3	7,462.5	7,494.5
08/18/85	22:00:00	29.500	7,449.6	7,462.8	7,494.8
08/18/85	22:15:00	29.750	7,449.9	7,463.1	7,495.1
08/18/85	22:30:00	30.000	7,450.2	7,463.4	7,495.4
08/18/85	22:45:00	30.250	7,450.5	7,463.7	7,495.7
08/18/85	23:00:00	30.500	7,450.7	7,463.9	7,495.9
08/18/85	23:15:00	30.750	7,451.0	7,464.2	7,496.2
08/18/85	23:30:00	31.000	7,451.3	7,464.5	7,496.5
08/18/85	23:45:00	31.250	7,451.6	7,464.8	7,496.8
08/19/85	00:00:00	31.500	7,451.9	7,465.1	7,497.1
08/19/85	00:15:00	31.750	7,452.2	7,465.4	7,497.4
08/19/85	00:30:00	32.000	7,452.5	7,465.7	7,497.7
08/19/85	00:45:00	32.250	7,452.8	7,466.0	7,498.0
08/19/85	01:00:00	32.500	7,453.1	7,466.3	7,498.3
08/19/85	01:15:00	32.750	7,453.4	7,466.6	7,498.6
08/19/85	01:30:00	33.000	7,453.7	7,466.9	7,498.9
08/19/85	01:45:00	33.250	7,454.1	7,467.3	7,499.3
08/19/85	02:00:00	33.500	7,454.5	7,467.7	7,499.7
08/19/85	02:15:00	33.750	7,454.9	7,468.1	7,500.1
08/19/85	02:30:00	34.000	7,455.3	7,468.5	7,500.5
08/19/85	02:45:00	34.250	7,455.7	7,468.9	7,500.9
08/19/85	03:00:00	34.500	7,456.1	7,469.3	7,501.3

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08/19/85	03:15:00	34.750	7,456.5	7,469.7	7,501.7
08/19/85	03:30:00	35.000	7,456.9	7,470.1	7,502.1
08/19/85	03:45:00	35.250	7,457.3	7,470.5	7,502.5
08/19/85	04:00:00	35.500	7,457.7	7,470.9	7,502.9
08/19/85	04:15:00	35.750	7,458.1	7,471.3	7,503.3
08/19/85	04:30:00	36.000	7,458.5	7,471.7	7,503.7
08/19/85	04:45:00	36.250	7,458.9	7,472.1	7,504.1
08/19/85	05:00:00	36.500	7,459.3	7,472.5	7,504.5
08/19/85	05:15:00	36.750	7,459.7	7,472.9	7,504.9
08/19/85	05:30:00	37.000	7,460.1	7,473.3	7,505.3
08/19/85	05:45:00	37.250	7,460.5	7,473.7	7,505.7
08/19/85	06:00:00	37.500	7,460.9	7,474.1	7,506.1
08/19/85	06:15:00	37.750	7,461.3	7,474.5	7,506.5
08/19/85	06:30:00	38.000	7,461.7	7,474.9	7,506.9
08/19/85	06:45:00	38.250	7,462.2	7,475.4	7,507.4
08/19/85	07:00:00	38.500	7,462.7	7,475.9	7,507.9
08/19/85	07:15:00	38.750	7,463.2	7,476.4	7,508.4
08/19/85	07:30:00	39.000	7,463.6	7,476.8	7,508.8
08/19/85	07:45:00	39.250	7,464.1	7,477.3	7,509.3
08/19/85	08:00:00	39.500	7,464.6	7,477.8	7,509.8
08/19/85	08:15:00	39.750	7,465.1	7,478.3	7,510.3
08/19/85	08:30:00	40.000	7,465.5	7,478.7	7,510.7
08/19/85	08:45:00	40.250	7,466.0	7,479.2	7,511.2
08/19/85	09:00:00	40.500	7,466.5	7,479.7	7,511.7
08/19/85	09:15:00	40.750	7,467.0	7,480.2	7,512.2
08/19/85	09:30:00	41.000	7,467.4	7,480.6	7,512.6
08/19/85	09:45:00	41.250	7,467.9	7,481.1	7,513.1
08/19/85	10:00:00	41.500	7,468.4	7,481.6	7,513.6
08/19/85	10:15:00	41.750	7,468.9	7,482.1	7,514.1
08/19/85	10:30:00	42.000	7,469.3	7,482.5	7,514.5
08/19/85	10:45:00	42.250	7,469.8	7,483.0	7,515.0
08/19/85	11:00:00	42.500	7,470.3	7,483.5	7,515.5
08/19/85	11:15:00	42.750	7,470.8	7,484.0	7,516.0
08/19/85	11:30:00	43.000	7,471.2	7,484.4	7,516.4
08/19/85	11:45:00	43.250	7,471.4	7,484.6	7,516.6
08/19/85	12:00:00	43.500	7,471.6	7,484.8	7,516.8
08/19/85	12:15:00	43.750	7,471.8	7,485.0	7,517.0
08/19/85	12:30:00	44.000	7,471.9	7,485.1	7,517.1
08/19/85	12:45:00	44.250	7,472.1	7,485.3	7,517.3
08/19/85	13:00:00	44.500	7,472.2	7,485.4	7,517.4
08/19/85	13:15:00	44.750	7,472.4	7,485.6	7,517.6
08/19/85	13:30:00	45.000	7,472.6	7,485.8	7,517.8
08/19/85	13:45:00	45.250	7,472.7	7,485.9	7,517.9
08/19/85	14:00:00	45.500	7,472.9	7,486.1	7,518.1
08/19/85	14:15:00	45.750	7,473.1	7,486.3	7,518.3
08/19/85	14:30:00	46.000	7,473.2	7,486.4	7,518.4

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SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/19/85	14:45:00	46.250	7,473.4	7,486.6	7,518.6
08/19/85	15:00:00	46.500	7,473.5	7,486.7	7,518.7
08/19/85	15:15:00	46.750	7,473.7	7,486.9	7,518.9
08/19/85	15:30:00	47.000	7,473.9	7,487.1	7,519.1
08/19/85	15:45:00	47.250	7,474.0	7,487.2	7,519.2
08/19/85	16:00:00	47.500	7,474.2	7,487.4	7,519.4
08/19/85	16:15:00	47.750	7,474.3	7,487.5	7,519.5
08/19/85	16:30:00	48.000	7,474.5	7,487.7	7,519.7
08/19/85	16:45:00	48.250	7,474.7	7,487.9	7,519.9
08/19/85	17:00:00	48.500	7,474.8	7,488.0	7,520.0
08/19/85	17:15:00	48.750	7,475.0	7,488.2	7,520.2
08/19/85	17:30:00	49.000	7,475.2	7,488.4	7,520.4
08/19/85	17:45:00	49.250	7,475.3	7,488.5	7,520.5
08/19/85	18:00:00	49.500	7,475.5	7,488.7	7,520.7
08/19/85	18:15:00	49.750	7,475.6	7,488.8	7,520.8
08/19/85	18:30:00	50.000	7,475.8	7,489.0	7,521.0
08/19/85	19:30:00	51.000	7,476.4	7,489.6	7,521.6
08/19/85	20:21:00	51.850	7,477.0	7,490.2	7,522.2

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