

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

PRESSURE TRANSIENT TEST DATA

COMPANY: SANTA FE ENERGY

LEASE: FERGUSON

FIELD: SOUTH CARLSBAD

COUNTY: EDDY

STATUS: FOUR POINT BACK PRESSURE TEST

CONTACT: TOMMY FOLSOM

WELL: #1

ZONE: STRAWN

STATE: NEW MEXICO

OPERATOR: RICHARD TOWNLEY

PERFORATIONS FROM: 10,481.0'

TO: 10,595.0'

DEPTH: 10,249.0'

TEMPERATURE: 60.0°F

ELEMENT: RP63#9526

RANGE: 8100 psig

CLOCK: 27193

RANGE: 36 hrs

ELEMENT: RP63#18753

RANGE: 7600 psig

CLOCK: 27192

RANGE: 36 hrs

SURFACE PRESSURE MEASUREMENTS

EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	08/26/85	18:02:00	4,040.0 psig
SET ELEMENT	08/26/85	19:50:00	4,040.0 psig
WELL SHUT IN	08/23/85	15:30:00	2,244.0 psig
TEST ENDED	08/27/85	02:00:00	2,064.0 psig

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
08/26/85	20:37:01	-1.383	5,301.6	5,314.8	5,366.8
08/26/85	22:00:00	0.000	5,301.6	5,314.8	5,366.8
08/26/85	22:14:59	.250	5,173.4	5,186.6	5,238.6
08/26/85	22:29:59	.500	5,084.1	5,097.3	5,149.3
08/26/85	22:45:03	.751	5,058.1	5,071.3	5,123.3
08/26/85	23:00:00	1.000	5,047.8	5,061.0	5,113.0
08/26/85	23:15:00	1.250	4,936.4	4,949.6	5,001.6
08/26/85	23:29:59	1.500	4,905.8	4,919.0	4,971.0
08/26/85	23:45:01	1.750	4,889.4	4,902.6	4,954.6
08/27/85	00:00:01	2.000	4,878.4	4,891.6	4,943.6
08/27/85	00:15:00	2.250	4,667.3	4,680.5	4,732.5
08/27/85	00:29:59	2.500	4,559.7	4,572.9	4,624.9
08/27/85	00:44:59	2.750	4,509.4	4,522.6	4,574.6
08/27/85	01:00:01	3.000	4,483.8	4,497.0	4,549.0
08/27/85	01:15:00	3.250	4,182.0	4,195.2	4,247.2
08/27/85	01:30:00	3.500	3,958.3	3,971.5	4,023.5
08/27/85	01:44:59	3.750	3,810.7	3,823.9	3,875.9
08/27/85	02:00:01	4.000	3,750.0	3,763.2	3,815.2