

JARREL SERVICES, INC.
 PHONE (505) 393-1736
 HOBBS, NEW MEXICO, 88240

PRESSURE TRANSIENT TEST DATA

COMPANY: Santa Fe Energy Resources Inc.
 LEASE: North Pure Gold 8 Federal
 FIELD: Poker Lake
 COUNTY: Eddy
 STATUS: 4-point flow test

CONTACT: Roy Hannigan
 WELL: #1
 ZONE: Morrow
 STATE: New Mexico
 OPERATOR: Harrah

PERFORATIONS FROM: 13,966.0'
 DEPTH: 13,872.0'

TO: 13,986.0'
 TEMPERATURE: 195.0°F

ELEMENT: 6839	RANGE: 12625 psig
CLOCK: 5406	RANGE: 24 hrs
ELEMENT: 860896	RANGE: 10125 psig
CLOCK: 22143	RANGE: 12 hrs

SURFACE PRESSURE MEASUREMENTS

EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	07/07/90	09:30:00	7,435.0 psig
SET ELEMENT	07/07/90	10:30:00	7,435.0 psig
WELL SHUT IN	07/07/90	11:15:00	7,435.0 psig
TEST ENDED	07/07/90	15:00:00	4,560.0 psig

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
07/07/90	10:30:00	-.750	9,131.0	9,144.2	9,155.2
07/07/90	11:15:00	0.000	9,131.0	9,144.2	9,155.2
START 4-POINT					
07/07/90	11:30:00	.250	8,535.0	8,548.2	8,559.2
07/07/90	11:45:00	.500	8,625.0	8,638.2	8,649.2
07/07/90	12:00:00	.750	8,635.0	8,648.2	8,659.2
FINISH FIRST RATE					
07/07/90	12:15:00	1.000	8,109.0	8,122.2	8,133.2
07/07/90	12:30:00	1.250	8,397.0	8,410.2	8,421.2
07/07/90	12:45:00	1.500	8,233.0	8,246.2	8,257.2
07/07/90	13:00:00	1.750	8,312.0	8,325.2	8,336.2
FINISH SECOND RATE					
07/07/90	13:15:00	2.000	7,696.0	7,709.2	7,720.2
07/07/90	13:30:00	2.250	7,661.0	7,674.2	7,685.2
07/07/90	13:45:00	2.500	7,851.0	7,864.2	7,875.2
07/07/90	14:00:00	2.750	7,480.0	7,493.2	7,504.2
FINISH THIRD RATE					
07/07/90	14:15:00	3.000	7,350.0	7,363.2	7,374.2
07/07/90	14:30:00	3.250	6,778.0	6,791.2	6,802.2
07/07/90	14:45:00	3.500	6,452.0	6,465.2	6,476.2
07/07/90	15:00:00	3.750	6,386.0	6,399.2	6,410.2
FINISH FOURTH RATE					