

MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

MAY-15 1986

Type Test 4-POINT ☒ Initial ☐ Annual		Test Date 4-22-86	
Company Adobe Resources Corporation		Connection GCSI	
Pool Undes. Phantom Draw		Formation WOLFCAMP Gas	
Completion Date 3/7/86	Total Depth 13056	Plug Back To 12,991	Elevation 3199 GR
Farm or Lease Name SPIT FIRE "18"			Well No. 18-1
Test Size 4.5000	Wt. 11.60	Set At 13056	Perforations: From 12882 To 12904
Test Size 2.3750	Wt. 4.70	Set At 12276	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At 12276	County EDDY
Producing Thru TUBING	Reservoir Temp. °F 218 @ 12893	Mean Annual Temp. °F 60°	Baro. Press. - P _a 13.2
State NEW MEXICO			
L 12893	H 12893	G _g 0.585	% CO ₂ 0.23
		% N ₂ 0.58	% H ₂ S 0
		Prover 0	Motor Run 2.1
		Taps FLANGE	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	CHOKE	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							7845		9425	218	280.0
1.	2.07 X 0.750			726	10.9	138	7370	3/64	8827	218	1.0
2.	2.07 X 0.750			744	14.4	136	7035	4/64	8579	218	1.0
3.	2.07 X 0.750			744	26.0	132	6437	5/64	7938	218	1.0
4.	2.07 X 0.750			744	39.7	121	5462	6/64	6824	218	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	2.71	89.75	739.6	0.9325	1.3074	1.0337	306
2	2.71	104.54	756.9	0.9341	1.3074	1.0351	358
3	2.71	140.31	756.9	0.9372	1.3074	1.0363	483
4	2.71	173.32	756.9	0.9460	1.3074	1.0397	604
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	1.10	598	1.70	0.936	0	
2	1.12	596	1.69	0.933	0	
3	1.12	592	1.68	0.931	0.585	XXXXXXX
4	1.12	581	1.65	0.925	0.585	XXXXXXX
5						

NO.	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.9452$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.42093$
1	7316	53525	8447		
2	7086	50218	11754		
3	6496	42200	19772		
4	5488	30113	31859		
5					

Absolute Open Flow			Mcf/d @ 15.025		Angle of Slope @ 62.2		Slope, n 0.528	
858								

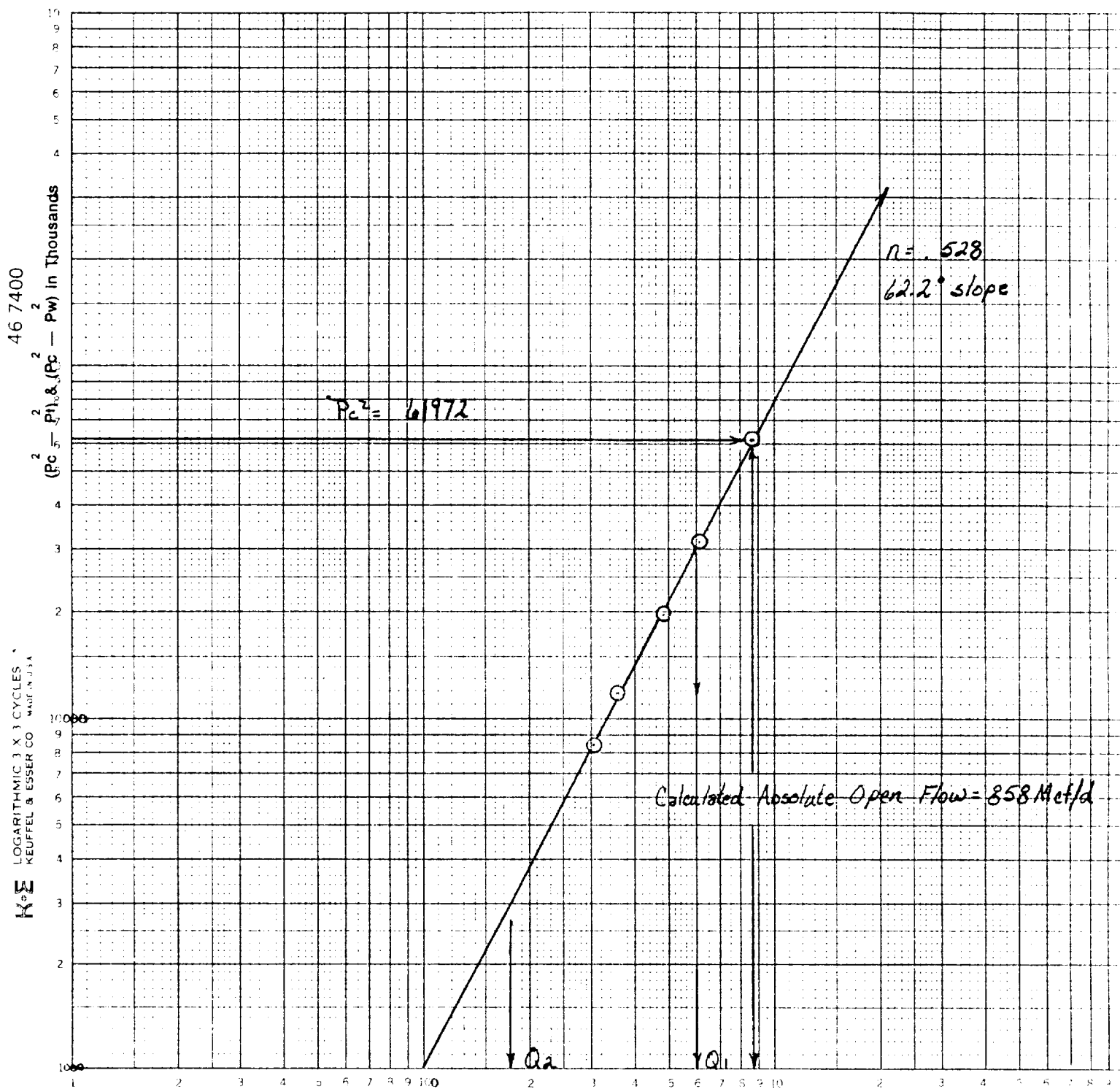
Remarks: MEASURE WITH B.H.P. ELEMENT

Approved By Commission	Conducted By: BENNETT & CATHEY	Calculated By: RICHARD TOWNLEY	Checked By:
------------------------	-----------------------------------	-----------------------------------	-------------

BACK PRESSURE CURV

Operator Adobe Resources Corp. Lease Spit Fire "18" Well No. 18-1
County Eddy Field Undes. Phantom Draw
Wolfcamp Gas Location P 18 26S 31E
Date of Test 4-22-86 Slope "n" 0.528 Angle of Slope 62.2

Calc. Abs. Potential 058 MCF/D



$$\frac{\overline{\Delta P_1}^2}{\overline{\Delta P_2}^2} \frac{P_C^2 - P_W^2}{P_C^2 - P_W^2} = \frac{30000}{3000}$$

$$Q_1 = 600$$

$$Q_2 = 178$$

Q In MCF/Day

$$\begin{aligned} \text{LOG } Q_1 &= 2.7781 \\ \text{LOG } Q_2 &= 2.2504 \\ n &= 0.5277 \end{aligned}$$

LEASE : SPIT FIRE "13"
 WELL : 1
 S/T/R : 18 263 31E
 COUNTY: EDDY
 STATE : NEW MEXICO

: INITIAL
 T T DATE: 4/22/86

NEW MEXICO OIL CONSERVATION COMMISSION
 MULTIPoint AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

COMPANY: Adobe Resources Corp. CONNECTION: 6681
 FIELD: Undes. Phantom Draw WOL: Wolfcamp Gas RESERVOIR: WOLF CAMP
 COMPLETED 3/7/86 TD = 13056. PTD = 12,99' ELEV = 3199.
 CSG SIZE = 4.5000 WT = 11.60 SET AT 13056. PERF: 12982.-12904.
 TPO SIZE = 2.3750 WT = 4.70 SET AT 12276. PERF: 0.- 0.
 TYPE COMPLETION: SINGLE PACKER SET AT: 12276
 PRODUCING THROUGH: TUBING BARG. PRESS = 13.20 PSIA
 RESERVOIR TEMP., F = 218. @ 12873. FT. MEAN GROUND TEMP., F = 50.

I.	II	B	% CO2	% N2	% H2S	PROVER	R-RUN	TAPS
12893.	12893.	0.585	0.23	0.58	0.	0.	2.1	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TDB. PCIS	CHOKE	SHIP PSIG	WH TEMP	FLOW HRS.
51						7845		9425.	218.	280.0
1	2.07 X	0.750	726.	10.7	138.	7370	3/64	8927.	218.	1.0
2	2.07 X	0.750	744.	14.4	136.	7035	4/64	8579.	218.	1.0
3	2.07 X	0.750	744.	26.0	132.	6437	5/64	7939.	218.	1.0
4	2.07 X	0.750	744.	39.7	121.	5462	6/64	6824.	218.	1.0

NO.	COEFFICIENT (24 - HOUR)	SCPI. (IWFPM)	PRESS. PSI	T-FACTOR F(T)	G-FACTOR F(G)	SG-FACTOR F(GV)	FLOW MCFD
1	2.71	89.75	739.6	0.9325	1.3074	1.0337	306.
2	2.71	104.54	756.9	0.9341	1.3074	1.0351	358.
3	2.71	140.31	756.9	0.9372	1.3074	1.0363	483.
4	2.71	173.32	756.9	0.9460	1.3074	1.0397	604.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/DRL	0.
1	1.10	578.	1.70	0.936	API G OF HYDROCARBONS	0.
2	1.12	576.	1.69	0.933	GR G SEPARATOR GAS	0.585
3	1.12	572.	1.68	0.931	SP G FLOWING FLUID	XXXXX
4	1.12	581.	1.65	0.925	CRITICAL PRES., PSIA	673.
					CRITICAL TEMP., R	352.

NO.	PW	PW*PW	PC*PC-PR*PW	PC =	7872-2
1	7516.	53525.	8447.	PC*PC =	61972-
2	7066.	50210.	11754.	PC*PC/(PC*PC-PW*PW) =	1.2452
3	6496.	42200.	19772.	(PC*PC/(PC*PC-PW*PW))*N =	1.42093
4	5488.	30113.	31259.	AGF (MCF/DAY) =	858

LEASE : SEITZ FINE "18"
WELL : 1
S/F/R : 10 265 BLE
COUNTY: EDDY
STATE : NEW MEXICO

: INITIAL
T T DATE: 4/22/86

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

PAGE 2

CALC W/ OPEN FLOW= 858 MCFD @ 15.025, SLOPE ANGLE= 62.2 , N= 0.528

APPROVED BY
COMMISSION: CONDUCTED BY: CALCULATED BY: CHECKED BY:

BENNETT & CATHEY

RICHARD TOURLEY

I, J. S. McDonald, BEING FIRST DULY SWORN ON OATH, STATE THAT
I AM FAMILIAR WITH FACTS AND FIGURES SET FORTH IN THIS REPORT,
AND THAT THE REPORT IS TRUE AND CORRECT.

J. S. McDonald

SIGNATURE AND TITLE OF AFFILIANT

ADCO RESEARCHERS CORP

COMPANY

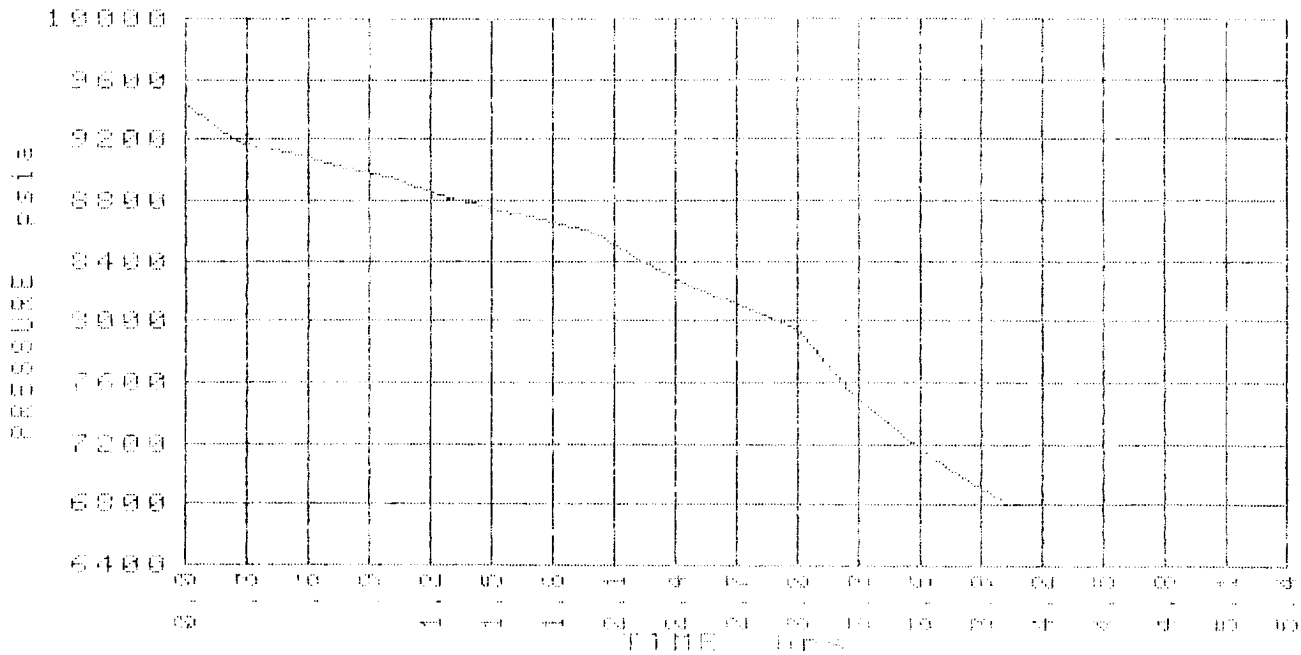
SUBSCRIBED AND SWORN TO BEFORE ME THIS 8th DAY OF May, 19 86

MY COMMISSION EXPIRES

7/8/89

Dawn Carpenter

NOTARY PUBLIC



COMPANY: Adobe Resources Corporation
 LEASE: SPITFIRE "18"
 FIELD: Undes. Phantom Draw
 COUNTY: EDDY
 STATUS: FOUR POINT BACK PRESSURE TEST
 PERFORATIONS FROM: 12862 ft
 DEPTH: 12289 ft

CONTACT:
 WELL: 1
 ZONE: WOLFCAMP Gas
 STATE: NEW MEXICO
 OPERATOR: BO FAULKENBERRY
 TD: 12704 ft
 TEMPERATURE: 298°F

ELEMENT# RP63#25676
 CLOCK# 21357
 ELEMENT# RP63#45617
 CLOCK# 21344

ELEMENT RANGE: 13000 psig
 CLOCK RANGE: 12 hrs
 ELEMENT RANGE: 10175 psig
 CLOCK RANGE: 12 hrs

START CLOCK	04/22/86	00:00:00	7945 psig
SET ELEMENT	04/22/86	09:45:00	7045 psig
WELL SHUT IN	04/10/86	16:00:00	700 psig
TEST ENDED	04/22/86	14:45:00	5462 psig

GAIN= 1
 FILE: 126 05:0701

BIAS= 73 psi
 BAROMETRIC PRESSURE= 13.2 psia

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 740-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

COMPANY: Adobe Resources Corporation	CONTACT:
LEASE: SPITFIRE "18"	WELL: 1
FIELD: Undes. Phantom Draw	ZONE: WOLFCAMP Gas
COUNTY: EDDY	STATE: NEW MEXICO
STATUS: FOUR POINT BACK PRESSURE TEST	OPERATOR: BO FAULKENBERRY

PERFORATIONS FROM: 12,882.0'	TO: 12,904.0'
DEPTH: 12,269.0'	TEMPERATURE: 298.0°F

ELEMENT: RP63#25676	RANGE: 15000 psig
CLOCK: 21357	RANGE: 12 hrs
ELEMENT: RP63#45619	RANGE: 10175 psig
CLOCK: 21644	RANGE: 12 hrs

SURFACE PRESSURE MEASUREMENTS

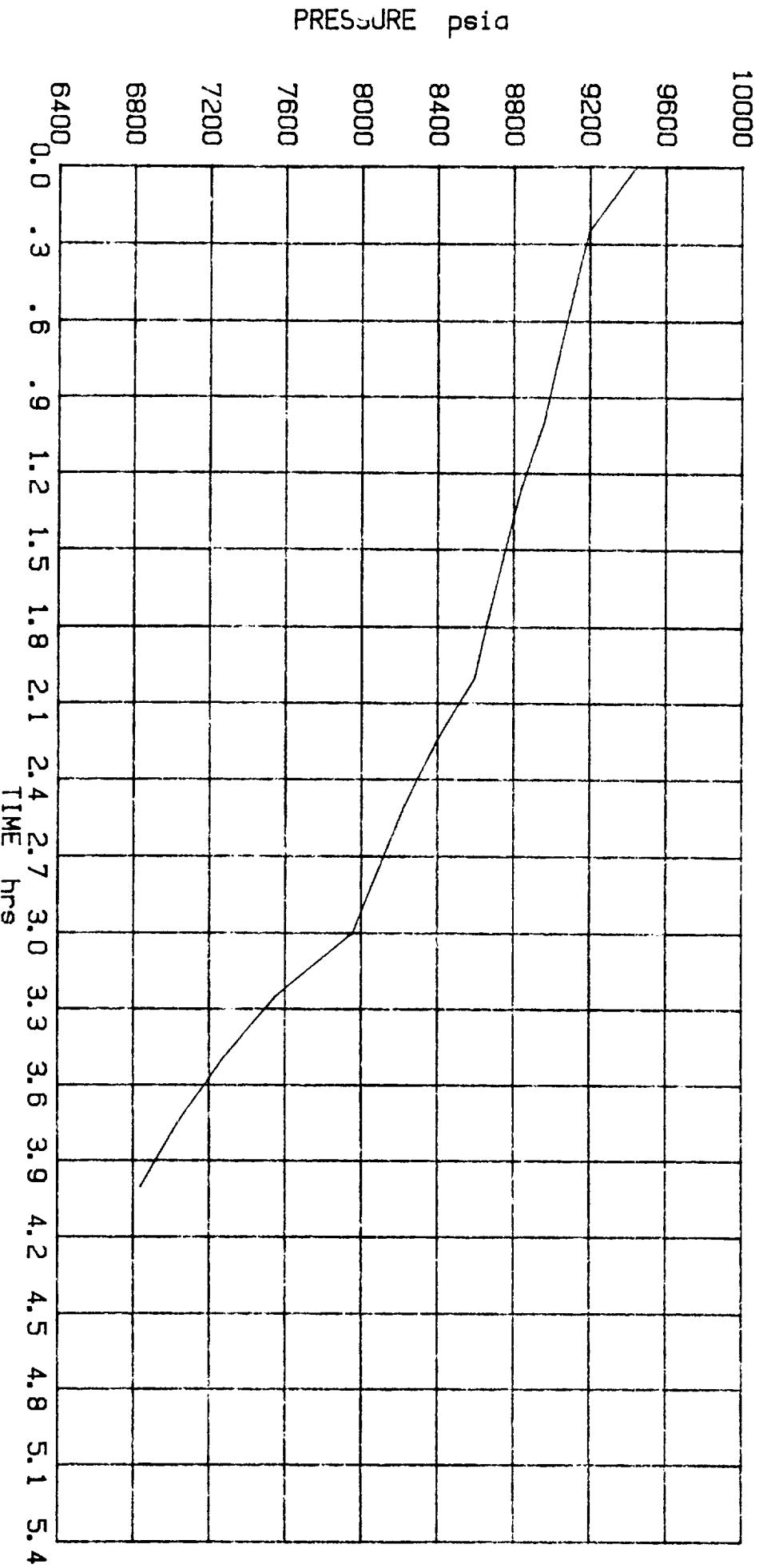
EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	04/22/86	06:00:00	7,845.0 psig
SET ELEMENT	04/22/86	07:45:00	7,845.0 psig
WELL SHUT IN	04/10/86	16:00:00	700.0 psig
TEST ENDED	04/22/86	14:45:00	5,462.0 psig

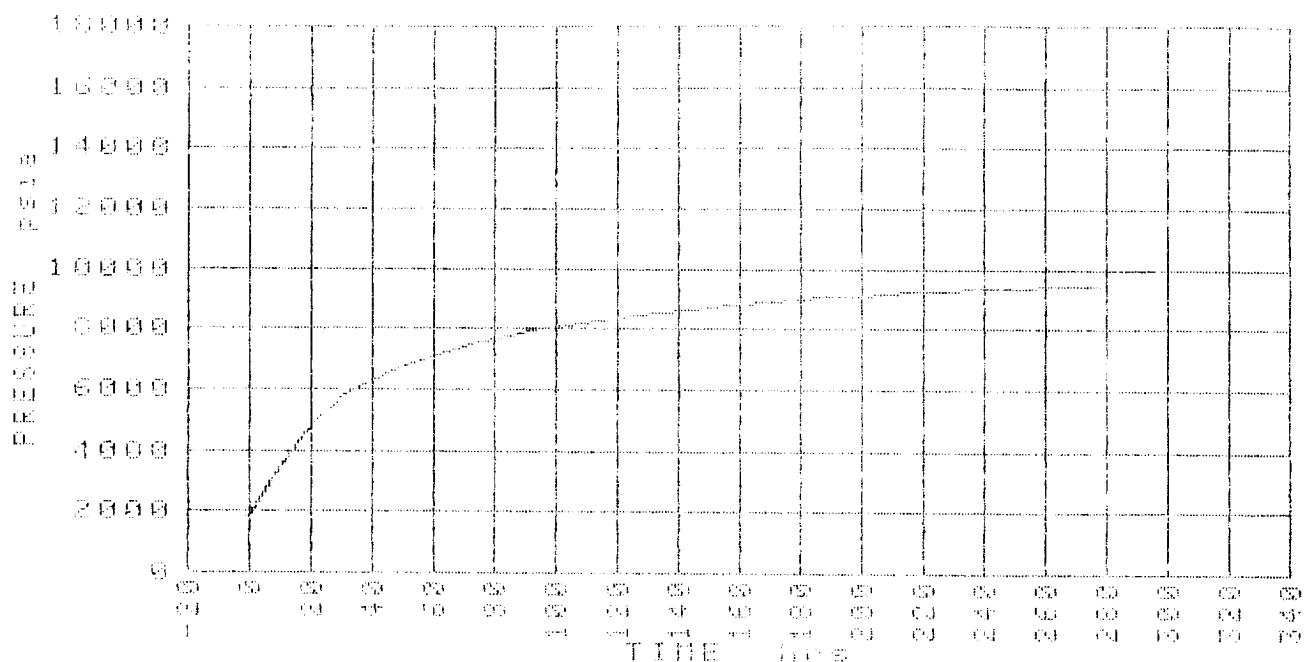
SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/22/86	10:45:00	0.000	9,351.0	9,365.0	9,438.0
04/22/86	11:00:00	.250	9,106.5	9,119.7	9,192.7
04/22/86	11:15:00	.500	9,024.3	9,037.5	9,110.5
04/22/86	11:30:00	.750	8,945.1	8,958.3	9,031.3
04/22/86	11:45:00	1.000	8,869.4	8,882.6	8,955.6
04/22/86	12:00:00	1.250	8,753.9	8,767.1	8,840.1
04/22/86	12:15:00	1.500	8,667.1	8,680.3	8,753.3
04/22/86	12:30:00	1.750	8,582.2	8,595.4	8,668.4
04/22/86	12:45:00	2.000	8,505.6	8,518.8	8,591.8
04/22/86	13:00:00	2.250	8,303.2	8,316.4	8,389.4
04/22/86	13:15:00	2.500	8,139.7	8,152.9	8,225.9
04/22/86	13:30:00	2.750	8,000.2	8,013.4	8,086.4
04/22/86	13:45:00	3.000	7,865.3	7,878.5	7,951.5
04/22/86	14:00:00	3.250	7,458.6	7,471.8	7,544.8
04/22/86	14:15:00	3.500	7,179.6	7,192.8	7,265.8
04/22/86	14:30:00	3.750	6,944.5	6,957.7	7,030.7
04/22/86	14:45:00	4.000	6,750.8	6,764.0	6,837.0

TEST DATE: 04/22/86 TO 04/22/86
 TEST DEPTH: 12289 ft
 ELEMENT NO: RPG3#45619
 RANGE: 10175 psig
 CLOCK: 21644
 RANGE: 12 hrs
 OPERATOR: BO FAULKENBERRY

ADOBE RESOURCES CORPORATION SPITFIRE "18" NO. 1	
BENNETT-CATHEY WIRE LINE SERVICE Box 787 Artesia, N.M. 88210 (505) 748-3354	





COMPANY: Adobe Resources Corporation	CONTACT:
LEASE: SPITFIRE "18"	WELL: 1
FIELD: Undes. Phantom Draw	ZONE: WULFCAMP Gas
COUNTY: EDDY	STATE: NEW MEXICO
STATUS: BOTTOM HOLE PRESSURE BUILD UP TEST	OPERATOR: BO FAULKENBERRY
PERFORATIONS FROM: 12882 ft	TO: 12904 ft
DEPTH: 12289 ft	TEMPERATURE: 298°F

ELEMENT# RF63#25676
 CLOCK# 9499
 ELEMENT# RF63#45617
 CLOCK# 9530

ELEMENT RANGE: 15000 psig
 CLOCK RANGE: 360 hrs
 ELEMENT RANGE: 10175 psig
 CLOCK RANGE: 360 hrs

START CLOCK	04/10/86	14:25:00	699 psig
SET ELEMENT	04/10/86	15:00:00	700 psig
WELL SHUT IN	04/10/86	16:00:00	700 psig
TEST ENDED	04/22/86	09:45:00	7845 psig

GAIN= 1
 FILE: 126-18-1:0701

BIAS= 73 psi
 BAROMETRIC PRESSURE= 13.2 psia

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

PRESSURE TRANSIENT TEST DATA

COMPANY: Adobe Resources Corporation	CONTACT:
LEASE: SPITFIRE "18"	WELL: 1
FIELD: Undes. Phantom Draw	ZONE: WOLFCAMP Gas
COUNTY: EDDY	STATE: NEW MEXICO
STATUS: BOTTOM HOLE PRESSURE BUILD UP TEST	OPERATOR: BO FAULKENDERBY

PERFORATIONS FROM: 12,882.0' TO: 12,904.0'
 DEPTH: 12,289.0' TEMPERATURE: 298.0°F

ELEMENT: RP03#25676	RANGE: 15000 psig
CLOCK: 9499	RANGE: 360 hrs
ELEMENT: RP03#45617	RANGE: 10175 psig
CLOCK: 9530	RANGE: 360 hrs

SURFACE PRESSURE MEASUREMENTS

EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	04/10/86	14:25:00	699.0 psig
SET ELEMENT	04/10/86	15:00:00	700.0 psig
WELL SHUT IN	04/10/86	16:00:00	700.0 psig
TEST ENDED	04/22/86	09:45:00	7,845.0 psig

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/10/86	15:23:43	-.685	1,744.6	1,757.8	1,830.8
04/10/86	15:30:00	-.500	1,738.5	1,751.7	1,824.7
04/10/86	15:45:00	-.250	1,724.0	1,737.2	1,810.2
04/10/86	16:00:00	0.000	1,709.4	1,722.6	1,795.6
04/10/86	16:05:00	-.083	1,721.0	1,734.2	1,807.2
04/10/86	16:10:00	.167	1,741.3	1,754.5	1,827.5
04/10/86	16:15:00	.250	1,766.7	1,779.9	1,852.9
04/10/86	16:20:00	.333	1,793.2	1,806.4	1,879.4
04/10/86	16:25:00	.417	1,816.2	1,829.4	1,902.4
04/10/86	16:30:00	.500	1,829.0	1,842.2	1,915.2
04/10/86	16:35:00	.583	1,841.8	1,855.0	1,928.0
04/10/86	16:40:00	.667	1,854.5	1,867.7	1,940.7
04/10/86	16:45:00	.750	1,867.3	1,880.5	1,953.5
04/10/86	16:50:00	.833	1,880.1	1,893.3	1,966.3
04/10/86	16:55:00	.917	1,892.9	1,906.1	1,977.1
04/10/86	17:00:00	1.000	1,905.6	1,918.8	1,991.8
04/10/86	17:04:59	1.083	1,919.1	1,932.3	2,005.3
04/10/86	17:10:01	1.167	1,936.7	1,949.9	2,022.9
04/10/86	17:15:00	1.250	1,954.0	1,967.2	2,040.2
04/10/86	17:19:59	1.333	1,971.4	1,984.6	2,057.6
04/10/86	17:25:01	1.417	1,988.9	2,002.1	2,075.1
04/10/86	17:30:00	1.500	2,006.3	2,019.5	2,092.5

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 740-3354
 ARRESTA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/10/86	17:34:59	1.533	2,023.6	2,036.8	2,109.0
04/10/86	17:40:01	1.667	2,041.2	2,054.4	2,127.6
04/10/86	17:45:00	1.750	2,058.5	2,071.7	2,144.7
04/10/86	17:49:59	1.833	2,075.9	2,089.1	2,162.1
04/10/86	17:55:01	1.917	2,093.4	2,106.6	2,179.6
04/10/86	18:00:00	2.000	2,110.8	2,124.0	2,197.0
04/10/86	18:04:59	2.083	2,128.1	2,141.3	2,214.3
04/10/86	18:10:01	2.167	2,145.7	2,158.9	2,231.9
04/10/86	18:15:00	2.250	2,163.0	2,176.2	2,249.2
04/10/86	18:19:59	2.333	2,180.4	2,193.6	2,266.6
04/10/86	18:25:01	2.417	2,196.0	2,209.2	2,282.2
04/10/86	18:30:00	2.500	2,210.3	2,223.5	2,296.5
04/10/86	18:34:59	2.583	2,224.6	2,237.8	2,310.8
04/10/86	18:40:01	2.667	2,239.1	2,252.3	2,325.3
04/10/86	18:45:00	2.750	2,253.4	2,266.6	2,339.6
04/10/86	18:49:59	2.833	2,267.7	2,280.9	2,353.9
04/10/86	18:55:01	2.917	2,282.1	2,295.3	2,368.3
04/10/86	19:00:00	3.000	2,276.4	2,309.6	2,382.6
04/10/86	19:04:59	3.083	2,310.7	2,323.9	2,396.9
04/10/86	19:10:01	3.167	2,325.2	2,338.4	2,411.4
04/10/86	19:15:00	3.250	2,339.5	2,352.7	2,425.7
04/10/86	19:19:59	3.333	2,353.8	2,367.0	2,440.0
04/10/86	19:25:01	3.417	2,368.3	2,381.4	2,454.4
04/10/86	19:30:00	3.500	2,382.4	2,395.5	2,468.6
04/10/86	19:34:59	3.583	2,396.6	2,409.8	2,482.8
04/10/86	19:40:01	3.667	2,411.0	2,424.2	2,497.2
04/10/86	19:45:00	3.750	2,425.2	2,438.4	2,511.4
04/10/86	19:49:59	3.833	2,439.4	2,452.6	2,525.6
04/10/86	19:55:01	3.917	2,453.7	2,466.9	2,539.9
04/10/86	20:00:00	4.000	2,467.9	2,481.1	2,554.1
04/10/86	20:04:59	4.083	2,482.1	2,495.3	2,568.3
04/10/86	20:10:01	4.167	2,496.5	2,509.7	2,582.7
04/10/86	20:15:00	4.250	2,510.7	2,523.9	2,596.9
04/10/86	20:19:59	4.333	2,524.9	2,538.1	2,611.1
04/10/86	20:25:01	4.417	2,538.4	2,551.6	2,624.6
04/10/86	20:30:00	4.500	2,550.8	2,564.0	2,637.0
04/10/86	20:34:59	4.583	2,563.3	2,576.5	2,649.5
04/10/86	20:40:01	4.667	2,575.8	2,589.0	2,662.0
04/10/86	20:45:00	4.750	2,588.2	2,601.4	2,674.4
04/10/86	20:49:59	4.833	2,600.7	2,613.9	2,686.9
04/10/86	20:55:01	4.917	2,613.2	2,626.4	2,699.4
04/10/86	21:00:00	5.000	2,625.7	2,638.9	2,711.9
04/10/86	21:15:00	5.250	2,663.1	2,676.3	2,749.3
04/10/86	21:30:00	5.500	2,700.5	2,713.7	2,786.7
04/10/86	21:45:00	5.750	2,737.6	2,750.8	2,823.8
04/10/86	22:00:00	6.000	2,773.1	2,786.3	2,859.3

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 740-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/10/86	22:15:00	6.250	2,808.7	2,821.9	2,894.9
04/10/86	22:30:00	6.500	2,844.3	2,857.5	2,930.5
04/10/86	22:45:00	6.750	2,879.9	2,893.1	2,966.1
04/10/86	23:00:00	7.000	2,915.5	2,928.7	3,001.7
04/10/86	23:15:00	7.250	2,951.9	2,965.1	3,038.1
04/10/86	23:30:00	7.500	2,988.4	3,001.6	3,074.6
04/10/86	23:45:00	7.750	3,024.9	3,038.1	3,111.1
04/11/86	00:00:00	8.000	3,061.4	3,074.6	3,147.6
04/11/86	00:15:00	8.250	3,097.9	3,111.1	3,184.1
04/11/86	00:30:00	8.500	3,134.4	3,147.6	3,220.6
04/11/86	00:45:00	8.750	3,170.8	3,184.0	3,257.0
04/11/86	01:00:00	9.000	3,206.8	3,220.0	3,293.0
04/11/86	01:15:00	9.250	3,242.9	3,256.1	3,329.1
04/11/86	01:30:00	9.500	3,277.0	3,292.2	3,365.2
04/11/86	01:45:00	9.750	3,315.1	3,328.3	3,401.3
04/11/86	02:00:00	10.000	3,351.1	3,364.3	3,437.3
04/11/86	02:30:00	10.500	3,423.3	3,436.5	3,509.5
04/11/86	03:00:00	11.000	3,495.4	3,508.6	3,581.6
04/11/86	03:30:00	11.500	3,564.0	3,577.2	3,650.2
04/11/86	04:00:00	12.000	3,632.3	3,645.5	3,716.5
04/11/86	04:30:00	12.500	3,700.6	3,713.8	3,786.8
04/11/86	05:00:00	13.000	3,770.4	3,783.6	3,856.6
04/11/86	05:30:00	13.500	3,843.5	3,856.7	3,929.7
04/11/86	06:00:00	14.000	3,916.6	3,929.8	4,002.8
04/11/86	06:30:00	14.500	3,987.8	4,003.0	4,076.0
04/11/86	07:00:00	15.000	4,062.7	4,076.1	4,149.1
04/11/86	07:30:00	15.500	4,136.0	4,149.2	4,222.2
04/11/86	08:00:00	16.000	4,207.0	4,220.2	4,293.2
04/11/86	08:30:00	16.500	4,277.6	4,290.3	4,363.8
04/11/86	09:00:00	17.000	4,348.2	4,361.4	4,434.4
04/11/86	09:30:00	17.500	4,418.8	4,432.0	4,505.0
04/11/86	10:00:00	18.000	4,483.6	4,496.0	4,567.8
04/11/86	10:30:00	18.500	4,545.1	4,558.3	4,631.3
04/11/86	11:00:00	19.000	4,606.5	4,619.7	4,692.7
04/11/86	11:30:00	19.500	4,668.0	4,681.2	4,754.2
04/11/86	12:00:00	20.000	4,729.5	4,742.7	4,815.7
04/11/86	13:00:00	21.000	4,831.4	4,844.6	4,917.6
04/11/86	14:00:00	22.000	4,931.0	4,945.0	5,018.0
04/11/86	15:00:00	23.000	5,032.1	5,045.3	5,118.3
04/11/86	16:00:00	24.000	5,132.4	5,145.6	5,218.6
04/11/86	17:00:00	25.000	5,232.7	5,245.0	5,318.9
04/11/86	18:00:00	26.000	5,318.7	5,332.1	5,405.1
04/11/86	19:00:00	27.000	5,401.7	5,414.7	5,497.9
04/11/86	20:00:00	28.000	5,484.6	5,497.8	5,570.8
04/11/86	21:00:00	29.000	5,567.4	5,580.6	5,653.6
04/11/86	22:00:00	30.000	5,636.8	5,650.0	5,723.0

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

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GUAGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/11/86	23:00:00	31.000	5,702.8	5,716.0	5,789.0
04/12/86	00:00:00	32.000	5,768.8	5,782.0	5,855.0
04/12/86	01:00:00	33.000	5,834.8	5,848.0	5,921.0
04/12/86	02:00:00	34.000	5,895.9	5,909.1	5,982.1
04/12/86	03:00:00	35.000	5,950.5	5,963.7	6,036.7
04/12/86	04:00:00	36.000	6,005.1	6,018.3	6,091.3
04/12/86	05:00:00	37.000	6,059.8	6,073.0	6,146.0
04/12/86	06:00:00	38.000	6,114.4	6,127.6	6,200.6
04/12/86	07:00:00	39.000	6,167.5	6,180.7	6,253.7
04/12/86	08:00:00	40.000	6,218.0	6,228.2	6,301.2
04/12/86	09:00:00	41.000	6,262.6	6,275.8	6,348.8
04/12/86	10:00:00	42.000	6,310.1	6,323.3	6,396.3
04/12/86	11:00:00	43.000	6,357.6	6,370.8	6,443.8
04/12/86	12:00:00	44.666	6,405.1	6,418.3	6,491.3
04/12/86	13:00:00	45.000	6,450.6	6,463.8	6,536.8
04/12/86	14:00:00	46.000	6,492.9	6,506.1	6,579.1
04/12/86	15:00:00	47.000	6,535.2	6,548.4	6,621.4
04/12/86	16:00:00	48.000	6,577.4	6,590.6	6,663.6
04/12/86	17:00:00	49.000	6,619.1	6,632.3	6,705.3
04/12/86	18:00:00	50.000	6,659.9	6,673.1	6,746.1
04/12/86	19:00:00	51.000	6,700.7	6,713.9	6,786.9
04/12/86	20:00:00	52.000	6,741.4	6,754.6	6,827.6
04/12/86	21:00:00	53.000	6,782.2	6,795.4	6,868.4
04/12/86	22:00:00	54.000	6,819.4	6,832.6	6,905.6
04/12/86	23:00:00	55.000	6,854.0	6,867.2	6,940.2
04/13/86	00:00:00	56.000	6,888.6	6,901.8	6,974.8
04/13/86	01:00:00	57.000	6,923.2	6,936.4	7,009.4
04/13/86	02:00:00	58.000	6,957.7	6,970.9	7,043.9
04/13/86	03:00:00	59.000	6,992.3	7,005.5	7,078.5
04/13/86	04:00:00	60.000	7,025.8	7,039.0	7,112.0
04/13/86	05:00:00	61.000	7,057.6	7,070.8	7,143.8
04/13/86	06:00:00	62.000	7,089.4	7,102.6	7,175.6
04/13/86	07:00:00	63.000	7,121.2	7,134.4	7,207.4
04/13/86	08:00:00	64.000	7,152.9	7,166.1	7,239.1
04/13/86	09:00:00	65.000	7,184.7	7,197.9	7,270.9
04/13/86	10:00:00	66.000	7,215.2	7,228.4	7,301.4
04/13/86	11:00:00	67.000	7,243.3	7,256.7	7,329.7
04/13/86	12:00:00	68.000	7,271.8	7,285.0	7,358.0
04/13/86	13:00:00	69.000	7,300.1	7,313.3	7,386.3
04/13/86	14:00:00	70.000	7,328.4	7,341.6	7,414.6
04/13/86	15:00:00	71.000	7,356.7	7,369.9	7,442.9
04/13/86	16:00:00	72.000	7,385.0	7,398.2	7,471.2
04/13/86	17:00:00	73.000	7,412.1	7,425.3	7,498.3
04/13/86	18:00:00	74.000	7,436.7	7,449.9	7,522.9
04/13/86	19:00:00	75.000	7,461.3	7,474.5	7,547.5
04/13/86	20:00:00	76.000	7,485.9	7,499.1	7,572.1

DENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3384
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/13/86	21:00:00	77.000	7,510.6	7,523.8	7,596.8
04/13/86	22:00:00	78.000	7,535.2	7,548.4	7,621.4
04/13/86	23:00:00	79.000	7,559.8	7,573.0	7,646.0
04/14/86	00:00:00	80.000	7,584.4	7,597.6	7,670.6
04/14/86	01:00:00	81.000	7,609.0	7,622.2	7,695.2
04/14/86	02:00:00	82.000	7,632.7	7,645.9	7,718.9
04/14/86	03:00:00	83.000	7,653.8	7,667.0	7,740.0
04/14/86	04:00:00	84.000	7,674.9	7,688.1	7,761.1
04/14/86	05:00:00	85.000	7,695.9	7,709.1	7,782.1
04/14/86	06:00:00	86.000	7,717.0	7,730.2	7,803.2
04/14/86	07:00:00	87.000	7,738.1	7,751.3	7,824.3
04/14/86	08:00:00	88.000	7,759.2	7,772.4	7,845.4
04/14/86	09:00:00	89.000	7,780.2	7,793.4	7,866.4
04/14/86	10:00:00	90.000	7,800.6	7,813.8	7,886.8
04/14/86	11:00:00	91.000	7,820.5	7,833.7	7,906.7
04/14/86	12:00:00	92.000	7,840.4	7,853.6	7,926.6
04/14/86	13:00:00	93.000	7,860.2	7,873.4	7,946.4
04/14/86	14:00:00	94.000	7,880.1	7,893.3	7,966.3
04/14/86	15:00:00	95.000	7,900.0	7,913.2	7,986.2
04/14/86	16:00:00	96.000	7,918.3	7,931.5	8,004.5
04/14/86	17:00:00	97.000	7,935.3	7,948.5	8,021.5
04/14/86	18:00:00	98.000	7,952.2	7,965.4	8,038.4
04/14/86	19:00:00	99.000	7,969.2	7,982.4	8,055.4
04/14/86	20:00:00	100.000	7,986.2	7,999.4	8,072.4
04/14/86	21:00:00	101.000	8,003.2	8,016.4	8,089.4
04/14/86	22:00:00	102.000	8,020.2	8,033.4	8,106.4
04/14/86	23:00:00	103.000	8,037.2	8,050.4	8,123.4
04/15/86	00:00:00	104.000	8,054.1	8,067.3	8,140.3
04/15/86	01:00:00	105.000	8,069.6	8,082.8	8,155.8
04/15/86	02:00:00	106.000	8,084.9	8,098.1	8,171.1
04/15/86	03:00:00	107.000	8,100.3	8,113.5	8,186.5
04/15/86	04:00:00	108.000	8,115.6	8,128.8	8,201.8
04/15/86	05:00:00	109.000	8,130.9	8,144.1	8,217.1
04/15/86	06:00:00	110.000	8,146.2	8,159.4	8,232.4
04/15/86	07:00:00	111.000	8,161.5	8,174.7	8,247.7
04/15/86	08:00:00	112.000	8,176.8	8,190.0	8,263.0
04/15/86	09:00:00	113.000	8,192.1	8,205.3	8,278.3
04/15/86	10:00:00	114.000	8,207.1	8,220.3	8,293.3
04/15/86	11:00:00	115.000	8,221.9	8,235.1	8,308.1
04/15/86	12:00:00	116.000	8,236.7	8,249.9	8,322.9
04/15/86	13:00:00	117.000	8,251.4	8,264.6	8,337.6
04/15/86	14:00:00	118.000	8,266.2	8,279.4	8,352.4
04/15/86	15:00:00	119.000	8,281.0	8,294.2	8,367.2
04/15/86	16:00:00	120.000	8,295.8	8,309.0	8,382.0
04/15/86	17:00:00	121.000	8,310.6	8,323.8	8,396.8
04/15/86	18:00:00	122.000	8,324.9	8,338.1	8,411.1

BENNETT-CATHEY WURF LINE SERVICE
 PHONE (505) 748-3354
 ARTECIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/15/86	19:00:00	123.000	8,337.2	8,350.4	8,423.4
04/15/86	20:00:00	124.000	8,349.5	8,362.7	8,435.7
04/15/86	21:00:00	125.000	8,361.8	8,375.0	8,448.0
04/15/86	22:00:00	126.000	8,374.1	8,387.3	8,460.3
04/15/86	23:00:00	127.000	8,386.4	8,399.6	8,472.6
04/16/86	00:00:00	128.000	8,398.7	8,411.9	8,484.9
04/16/86	01:00:00	129.000	8,411.0	8,424.2	8,497.2
04/16/86	02:00:00	130.000	8,423.3	8,436.5	8,509.5
04/16/86	03:00:00	131.000	8,435.6	8,448.8	8,521.8
04/16/86	04:00:00	132.000	8,447.2	8,460.4	8,533.4
04/16/86	05:00:00	133.000	8,459.3	8,471.5	8,544.5
04/16/86	06:00:00	134.000	8,469.4	8,482.6	8,555.6
04/16/86	07:00:00	135.000	8,480.6	8,493.8	8,566.8
04/16/86	08:00:00	136.000	8,491.7	8,504.9	8,577.9
04/16/86	09:00:00	137.000	8,502.8	8,516.0	8,589.0
04/16/86	10:00:00	138.000	8,514.0	8,527.2	8,600.2
04/16/86	11:00:00	139.000	8,525.1	8,538.3	8,611.3
04/16/86	12:00:00	140.000	8,536.2	8,549.4	8,622.4
04/16/86	13:00:00	141.000	8,547.3	8,560.5	8,633.5
04/16/86	14:00:00	142.000	8,558.1	8,571.3	8,644.3
04/16/86	15:00:00	143.000	8,568.5	8,581.7	8,654.7
04/16/86	16:00:00	144.000	8,578.9	8,592.1	8,665.1
04/16/86	17:00:00	145.000	8,589.3	8,602.5	8,675.5
04/16/86	18:00:00	146.000	8,599.7	8,612.9	8,685.9
04/16/86	19:00:00	147.000	8,610.2	8,623.4	8,696.4
04/16/86	20:00:00	148.000	8,620.6	8,633.8	8,706.8
04/16/86	21:00:00	149.000	8,631.0	8,644.2	8,717.2
04/16/86	22:00:00	150.000	8,641.4	8,654.6	8,727.6
04/16/86	23:00:00	151.000	8,651.8	8,665.0	8,738.0
04/17/86	00:00:00	152.000	8,662.2	8,675.4	8,748.4
04/17/86	01:00:00	153.000	8,672.6	8,685.8	8,758.8
04/17/86	02:00:00	154.000	8,683.0	8,696.2	8,769.2
04/17/86	03:00:00	155.000	8,693.4	8,706.6	8,779.6
04/17/86	04:00:00	156.000	8,703.6	8,715.8	8,788.3
04/17/86	05:00:00	157.000	8,711.7	8,724.9	8,797.9
04/17/86	06:00:00	158.000	8,720.8	8,734.0	8,807.0
04/17/86	07:00:00	159.000	8,729.9	8,743.1	8,816.1
04/17/86	08:00:00	160.000	8,739.1	8,752.3	8,825.3
04/17/86	09:00:00	161.000	8,748.2	8,761.4	8,834.4
04/17/86	10:00:00	162.000	8,757.3	8,770.5	8,843.5
04/17/86	11:00:00	163.000	8,766.4	8,779.6	8,852.6
04/17/86	12:00:00	164.000	8,775.5	8,788.7	8,861.7
04/17/86	13:00:00	165.000	8,784.7	8,797.9	8,870.9
04/17/86	14:00:00	166.000	8,793.8	8,807.0	8,880.0
04/17/86	15:00:00	167.000	8,802.9	8,816.1	8,889.1
04/17/86	16:00:00	168.000	8,812.0	8,825.2	8,898.2

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 86210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/17/86	17:00:00	169.000	8,820.5	8,833.7	8,906.7
04/17/86	18:00:00	170.000	8,828.7	8,841.9	8,914.7
04/17/86	19:00:00	171.000	8,836.9	8,850.1	8,923.1
04/17/86	20:00:00	172.000	8,845.2	8,858.4	8,931.4
04/17/86	21:00:00	173.000	8,853.4	8,866.6	8,939.6
04/17/86	22:00:00	174.000	8,861.6	8,874.8	8,947.8
04/17/86	23:00:00	175.000	8,869.8	8,883.0	8,956.0
04/18/86	00:00:00	176.000	8,878.1	8,891.3	8,964.3
04/18/86	01:00:00	177.000	8,886.3	8,899.5	8,972.5
04/18/86	02:00:00	178.000	8,894.5	8,907.7	8,980.7
04/18/86	03:00:00	179.000	8,902.8	8,916.0	8,989.0
04/18/86	03:51:22	179.856	8,909.6	8,923.0	8,996.0
04/18/86	11:00:00	187.000	8,961.4	8,974.6	9,047.6
04/18/86	12:00:00	188.000	8,971.1	8,984.3	9,057.3
04/18/86	13:00:00	189.000	8,980.8	8,994.0	9,067.0
04/18/86	14:00:00	190.000	8,990.4	9,003.6	9,076.6
04/18/86	15:00:00	191.000	9,000.1	9,013.3	9,086.3
04/18/86	16:00:00	192.000	9,009.8	9,023.0	9,096.0
04/18/86	17:00:00	193.000	9,019.5	9,032.7	9,105.7
04/18/86	18:00:00	194.000	9,029.2	9,042.4	9,115.4
04/18/86	19:00:00	195.000	9,024.7	9,038.1	9,111.1
04/18/86	20:00:00	196.000	9,024.0	9,037.2	9,110.2
04/18/86	21:00:00	197.000	9,024.4	9,037.6	9,110.6
04/18/86	22:00:00	198.000	9,024.7	9,037.9	9,110.9
04/18/86	23:00:00	199.000	9,025.1	9,038.3	9,111.3
04/19/86	00:00:00	200.000	9,025.4	9,038.6	9,111.6
04/19/86	01:00:00	201.000	9,025.8	9,039.0	9,112.0
04/19/86	02:00:00	202.000	9,032.7	9,045.9	9,118.9
04/19/86	03:00:00	203.000	9,040.0	9,053.2	9,126.2
04/19/86	04:00:00	204.000	9,047.3	9,060.5	9,133.5
04/19/86	05:00:00	205.000	9,056.1	9,069.3	9,142.3
04/19/86	06:00:00	206.000	9,065.4	9,078.6	9,151.6
04/19/86	07:00:00	207.000	9,074.7	9,087.9	9,160.9
04/19/86	08:00:00	208.000	9,084.1	9,097.3	9,170.3
04/19/86	09:00:00	209.000	9,092.0	9,105.2	9,178.2
04/19/86	10:00:00	210.000	9,099.6	9,112.8	9,185.8
04/19/86	15:00:00	215.000	9,136.0	9,149.2	9,222.2
04/19/86	20:00:00	220.000	9,136.8	9,150.0	9,223.0
04/20/86	01:00:00	225.000	9,171.4	9,184.6	9,257.6
04/20/86	06:00:00	230.000	9,204.1	9,217.3	9,290.3
04/20/86	11:00:00	235.000	9,234.8	9,248.0	9,321.0
04/20/86	16:00:00	240.000	9,255.6	9,268.8	9,341.8
04/20/86	21:00:00	245.000	9,275.8	9,289.0	9,362.0
04/21/86	02:00:00	250.000	9,294.2	9,307.4	9,380.4
04/21/86	07:00:00	255.000	9,308.8	9,322.0	9,395.0
04/21/86	12:00:00	260.000	9,324.0	9,337.2	9,410.2

BEHNETT-DATHEE WIRE LINE SERVICE
PHONE (505) 748-3334
ALTESIA, NEW MEXICO. 88210

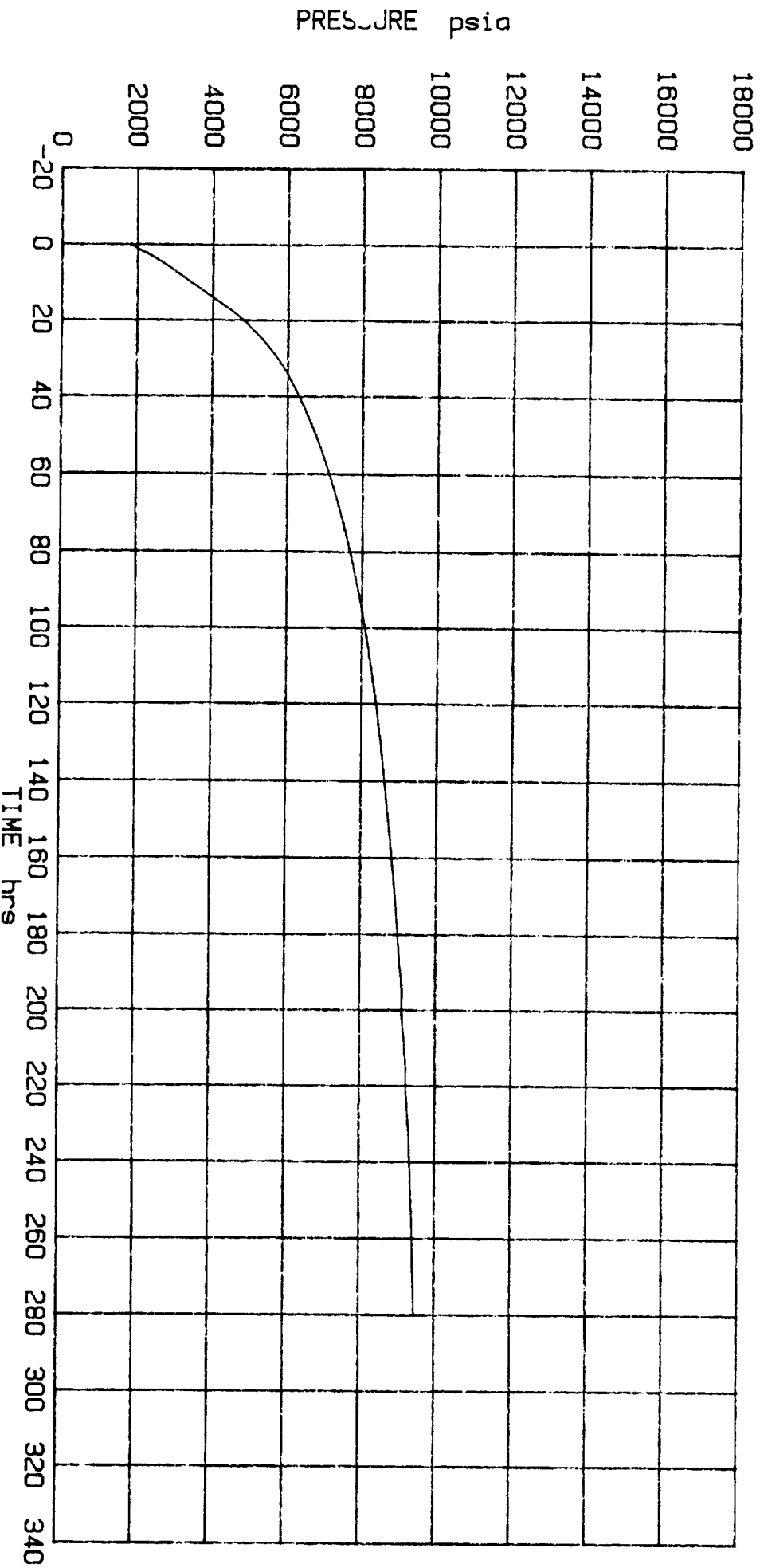
PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
04/21/86	17:00:00	265.000	9,338.9	9,352.1	9,425.1
04/21/86	22:00:00	270.000	9,351.8	9,365.0	9,438.0
04/22/86	03:00:00	275.000	9,364.7	9,377.9	9,450.9
04/22/86	07:43:57	279.732	9,376.9	9,390.1	9,463.1

TEST DATE: 04/10/86 TO 04/22/86
TEST DEPTH: 12289 ft
ELEMENT NO: RPC3#45619
RANGE: 10175 psig
CLOCK: 9530
RANGE: 360 hrs
OPERATOR: BO FAULKENBERRY

ADOBE RESOURCES CORPORATION SPITFIRE "18" NO. 1
BENNETT-CATHEY WIRE LINE SERVICE Box 787 Artesia, N.M. 88210 (505) 748-3354





BE' NETT-CATHEY WIRE LINE SE' ICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

Phone (505) 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Adobe Resources CorporationLEASE SPITFIRE "18"WELL NO. 1POOL Unders. Phantom

DRAW

FORMATION

WOLFCAMP GasDATE 4-22-86

TIME

0945 HOURS

CO. MAN

STATUS SHUT INTEST DEPTH 12289'TIME S.I. 1600 HRS

LAST TEST DATE

4-10-86

BHP LAST TEST

TUB. PRES. 7857.2

BHP CHANGE

CAS. PRES.

FLUID TOP

DATUM PLANE

WATER TOP

DATUM PSIA 9463.2RUN BY BO FAULKENBERRYTEMP 298°

CLOCK #

B-3443

PRESSURE RANGE

15000#

ELEMENT NO.

RPG3#25676

DEPTH	PSIA PRESSURE	LBS/100 FT GRADIENT
0	7857.2	
3000	8250.2	13.1
6000	8639.2	13.0
9000	9012.2	12.4
12289	9390.2	11.5
12893	9463.2	12.1

12893 FEET WAS EXTRAPOLATED

TIME B.H.P. MEASURED 0945 HOURS

LENGTH OF TIME WELL SHUT IN

281 HOURS 45 MINUTES

PERFORATIONS FROM 12882 TO 12904

