

Phone (303) 790-2705



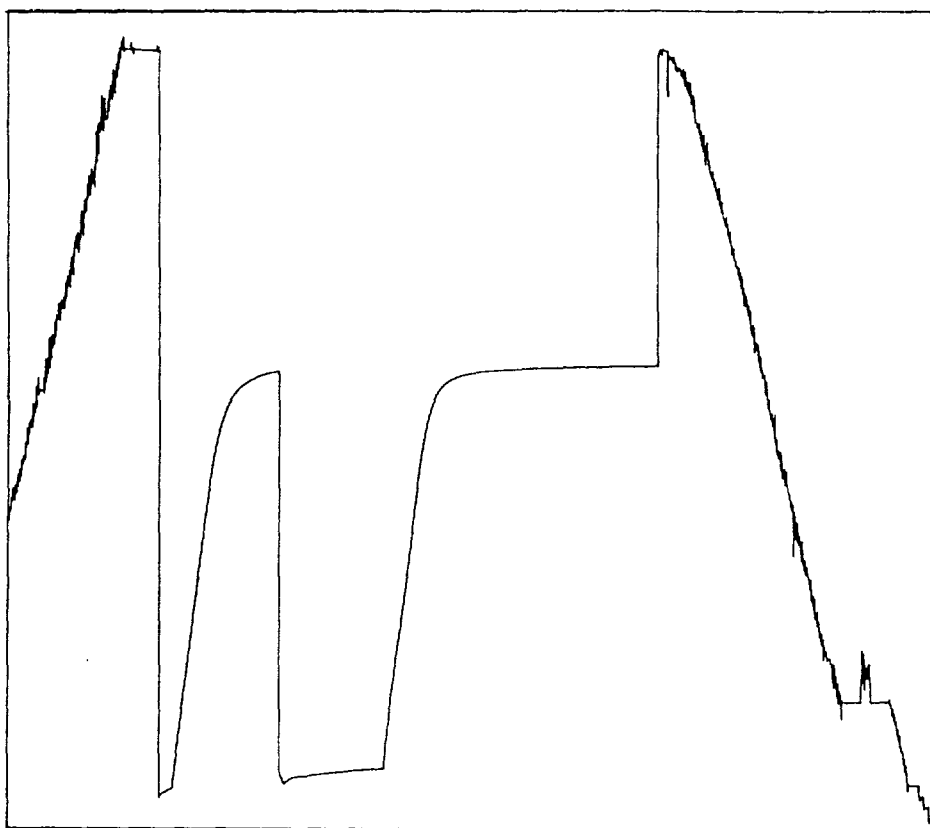
**BAKER
OIL TOOLS**

56 Inverness Drive East
Englewood, CO 80112

Contractor Ziadril
Rig No. 2
Spot 1346' FNL & 1980' FEL
Sec 6
Twp. 16 S
Rng. 36 E
Field W. Lovington Strawn
County Lea
State New Mexico
Elevation 3971' KB
Formation Strawn

Surface Choke 1/4"
Bottom Choke 3/4"
Hole Size 7 7/8"
Core Hole Size --
DP Size & Wt. 4 1/2" 16.60
Wt. Pipe --
I.D. of DC 2 1/4"
Length of DC --
Total Depth 11570'
Type Test Conventional
Interval 11525' - 11570'

Mud Type --
Weight 9.2
Viscosity 32
Water Loss --
Filter Cake --
Resistivity -- @ °F
62,000 Ppm. NaCl
B.H.T. 166.2 °F
Co. Rep. K. Widner/B. Crow
Tester Mike Fraley
Baker Dist. Hobbs NM



	REPORTED	CORRECTED
Opened Tool @	03:52	hrs.
Flow No. 1	10	12 min.
Shut-in No. 1	90	90 min.
Flow No. 2	90	90 min.
Shut-in No. 2	240	239 min.
Flow No. 3	None Taken	min.
Shut-in No. 3	"	" min.

Recorder Type STI 8000
No. 01119 Cap. 10000 psi
Depth 11530 feet
Inside Clock
Outside x Range hrs.

Initial Hydrostatic	A	5512
Final Hydrostatic	K	5510
Initial Flow	B	214
Final Initial Flow	C	281
Initial Shut-in	D	3240
Second Initial Flow	E	313
Second Final Flow	F	426
Second Shut-in	G	3281
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pipe Recovery

Reverse circulated:
1831' Total fluid, consisting of:
15' Oil
1816' Oil cut drilling mud

Chlorides:

Top: 62,000 ppm Cl. titrated.
Middle: 62,000 ppm Cl. titrated.
Bottom: 62,000 ppm Cl. titrated.

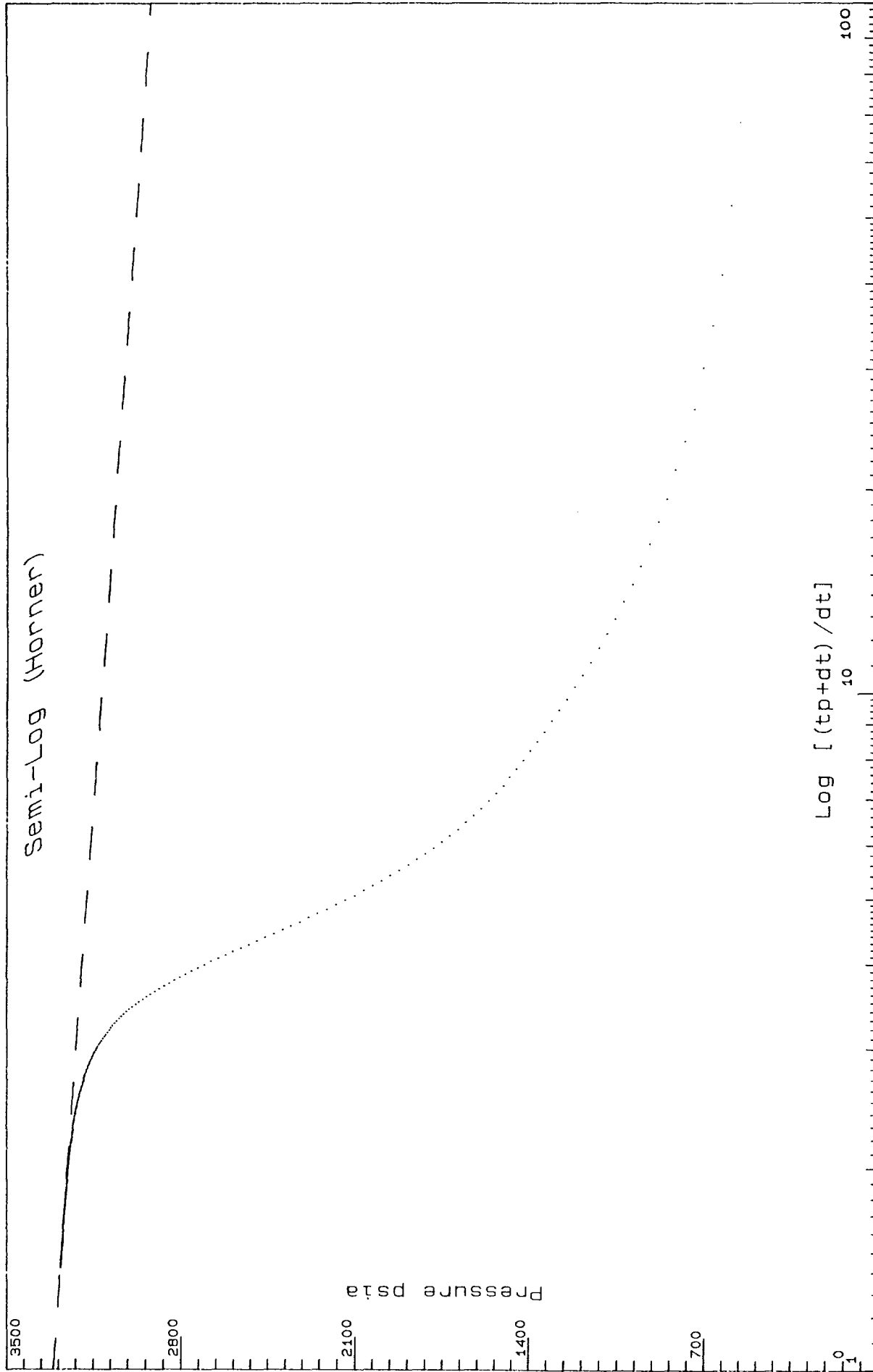
Remarks: The pressure charts and the high volume of drilling mud recovery indicate a leak in the string above the tool.

5
12289

GILLESPIE - CROW, INC.
TICKET #012442

SNYDER "EC" COM #1
STRAWN ~ 11525' - 11570'

DST #1
01-21-1996



Company: Gillespie-Crow, Inc.
Well: Snyder "EC" Com #1, DST #1
Field: W. Lovington Strawn

Shut-in #2:
P* = 3311 psi
M = -196.580 psi/cycle

Date: 01-21-1996

**BAKER**
OIL TOOLSCOMPANY
LEASE NAME & NO.
INTERVAL TESTEDCHARLES B. GILLESPIE, JR.
SNYDER "C" #4
11498'-11570'COUNTY
STATE
FORMATION
LEA
NEW MEXICO
STRAWNDATE
TICKET #
TEST #
03-02-1998
015131
1

Contractor	McVay Drilling	Surface Choke	1/4" & 1/2"	Mud Type	--
Rig No.	10	Bottom Choke	3/4"	Weight	8.5
Spot	510' FNL & 990' FEL	Hole Size	7 7/8"	Viscosity	36
Sec	5	Core Hole Size	--	Water Loss	
Twp.	16 S	DP Size & Wt.	4 1/2" 16.60	Filter Cake	
Rng.	36 E	Wt. Pipe	4 1/2" 20.00 & 43.00	Resistivity	3,000 @ °F
Field	W. Lovington Strawn	I.D. of DC	2 1/4"	B.H.T.	169.4 °F
County	Lea	Length of DC	819'	Co. Rep.	Mark Mladenka
State	New Mexico	Total Depth	11570'	Tester	Mike Fraley & Mike Sizemore
Elevation	3968' KB	Type Test	Conventional	Baker Dist.	Hobbs NM
Formation	Strawn	Interval	11498'-11570'		

Pipe Recovery

44.18 barrels total fluid, consisting of:
33.20 barrels oil flowed during test
10.98 barrels oil reverse circulated

Gravity: 45.0 Deg API @ 60 Deg F

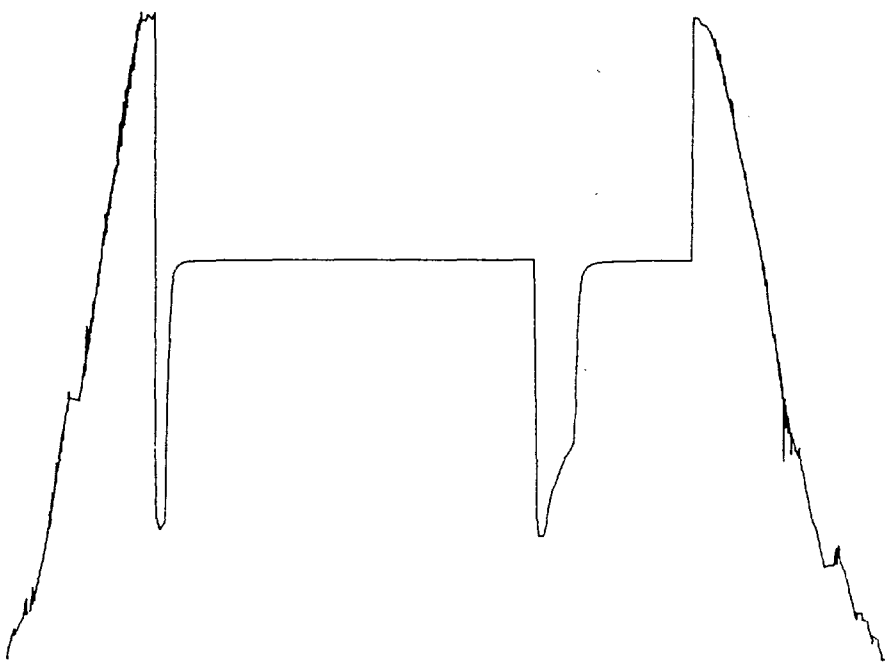
Pressure in Sampler: 1400 psig
Total Volume of Sampler: 2600 cc.
Total Volume of Sample: 950 cc.
Oil: 950 cc.
Water: 0 cc.
Mud: 0 cc.
Gas: 6.85 cu ft
Other: 0

Gas/Oil Ratio 1153.7/1 cu.-ft./bbl.
Gravity 45.0 °API @ 60 °F

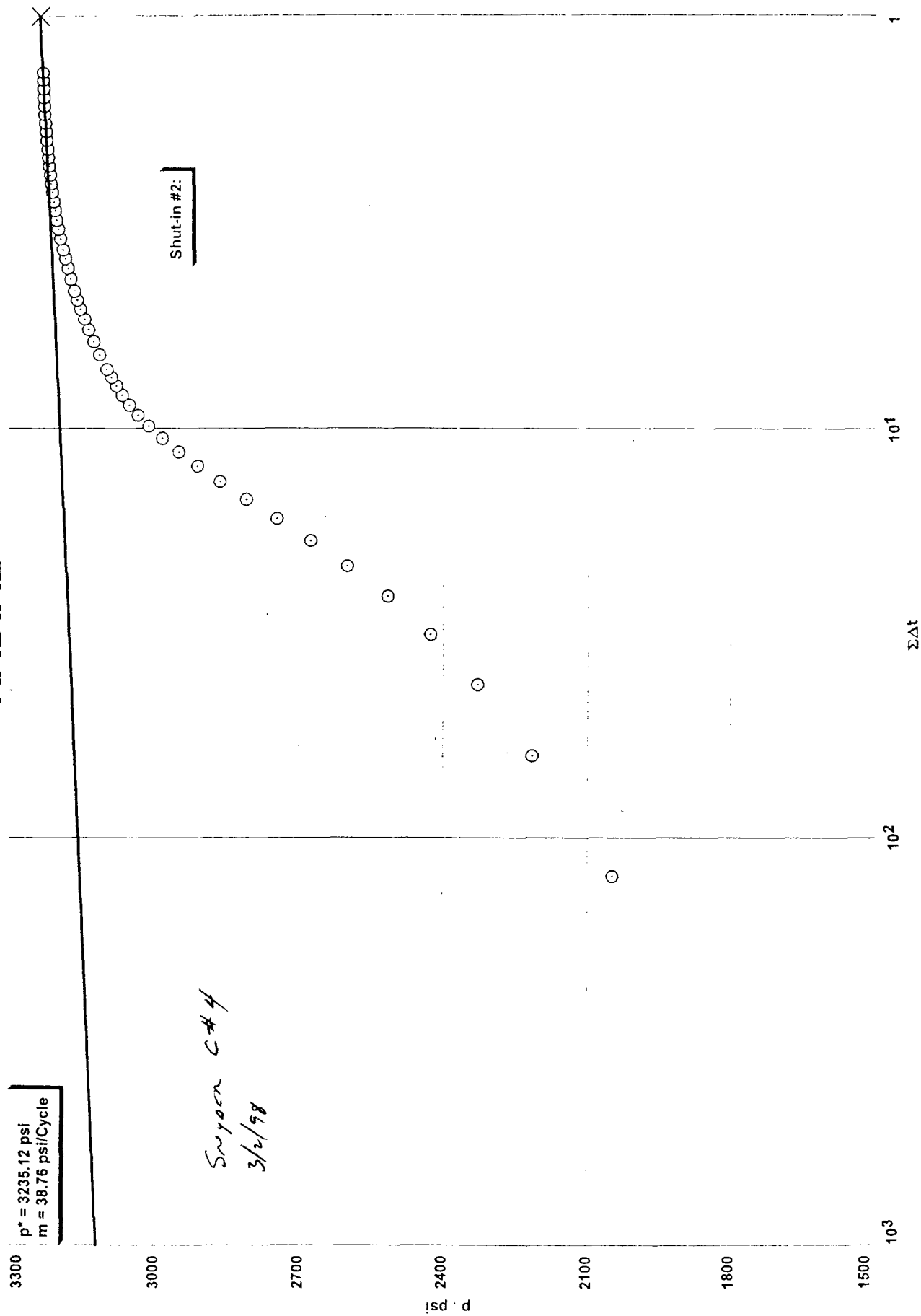
Recorder Type Electronic
No. 21047 Cap. 10000 psi
Depth 11503 ft.
Inside
Outside X

Initial Hydrostatic A 5202
Final Hydrostatic K 5178
Initial Flow B 1060
Final Initial Flow C 1137
Initial Shut-in D 3234
Second Initial Flow E 972
Second Final Flow F 1770
Second Shut-in G 3230
Third Initial Flow H
Third Final Flow I
Third Shut-in J

	Reported	Corrected	
Opened Tool @	19:53		hrs.
Flow No. 1	15	15	min.
Shut-in No. 1	582	582	min.
Flow No. 2	60	60	min.
Shut-in No. 2	180	183	min.
Flow No. 3			min.
Shut-in No. 3			min.



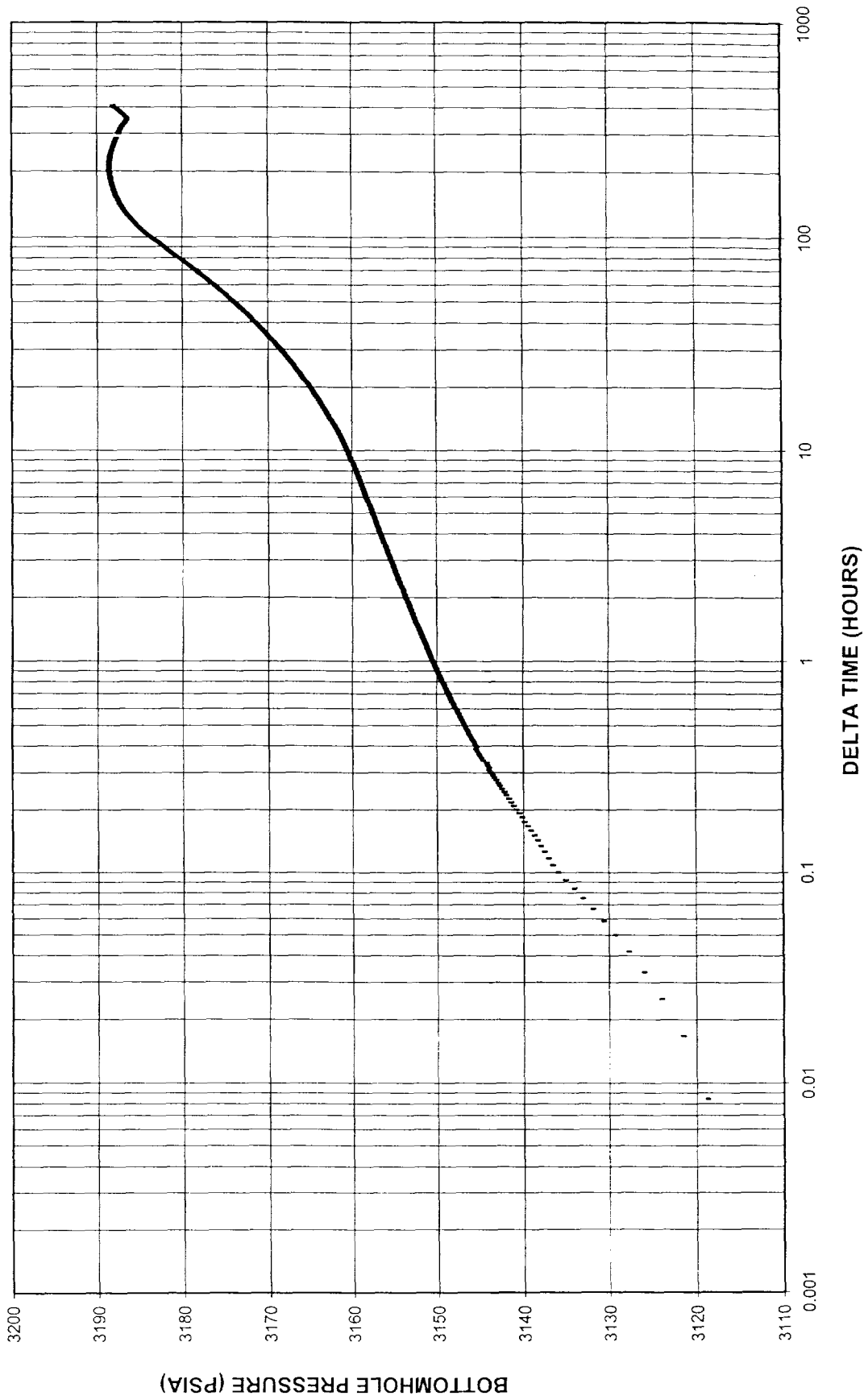
RADIAL





COMPANY:	GILLESPIE-CROW, INC.	FIELD:	WEST LOVINGTON STRAWN POOL	JOB #	05360
LEASE:	SNYDER "C"	COUNTY:	LEA	TEST DATE:	11/23/98
WELL NUMBER:	4	STATE:	NM		-

SEMILOG PLOT





COMPANY : CHARLES B. GILLESPIE, JR.
LEASE : SNYDER "F"
WELL NO. : # 3
FIELD : EAST BIG DOG (STRAWN)
COUNTY/STATE : LEA / NEW MEXICO

TEST DATE : 9-17-99
D.S.T. NO. : 1
TEST TKT. NO. : 20718
INVOICE NO. : 18870
ORDER NO. :

FORMATION	:	STRAWN LIME	HOLE SIZE (in)	:	7.875	ANCHOR LENGTH (ft):	22
INTERVAL (ft)	:	11540 TO 11562	DRILL PIPE ID (in)	:	3.65	TOOL LENGTH (ft)	: 62
TOTAL DEPTH (ft):	:	11562	DRILL COLLAR ID(in):	:	2.25	TOOL O.D. (in)	: 5
ELEVATION (ft)	:	3945	DRILL COLLAR feet	:	738	PACKER SIZE (in)	: 7.00

RECORDER DATA
AK1-KUSTER / AMERADA

TOP RECORDER: IN
RECORDER NO. : 86820
CAPACITY (psi): 10000
DEPTH (ft) : 11555
CLOCK NO. : 86820
DURATION (hrs): 96

BOTTOM RECORDER: OUT
RECORDER NO. : 13815
CAPACITY (psi): 8275
DEPTH (ft) : 11562
CLOCK NO. : 17180
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : CHEM / SALTGEL
MUD WT. (#/gal) : 9.20

WATER LOSS (cc) : 6.80
FILTER CAKE (in) : 1/32
VISCOSITY (sec) : 40

CHLORIDE PPM : 35000
RESISTIVITY(ohm-m): .235

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : YES

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : YES

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : YES
OTHER : YES
(2) AMERADA ELECTRONIC

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 1:26 PM

TOTAL TEST TIME: 348

INITIAL FLOW : 14
SECOND FLOW : 88
THIRD FLOW :

INITIAL SHUT-IN: 60
SECOND SHUT-IN : 185
THIRD SHUT IN :

TEST TOOL OPERATOR: TOMMY WILLIAMS

CHARLES B. GILLESPIE, JR.



SNYDER "F" # 3
D.S.T. NO. : 1

	CORRECTED READING	FIELD READING
A INITIAL HYDROSTATIC:	5593 PSI	5777 PSI
B-1 INITIAL FIRST FLOW :	894 PSI	930 PSI
B-2 FINAL FIRST FLOW :	915 PSI	1115 PSI
C FIRST SHUT-IN :	3178 PSI	3385 PSI
D-1 INITIAL SECOND FLOW:	931 PSI	1137 PSI
D-2 FINAL SECOND FLOW :	1793 PSI	1910 PSI
E SECOND SHUT-IN :	3166 PSI	3385 PSI
H FINAL HYDROSTATIC :	5587 PSI	5714 PSI

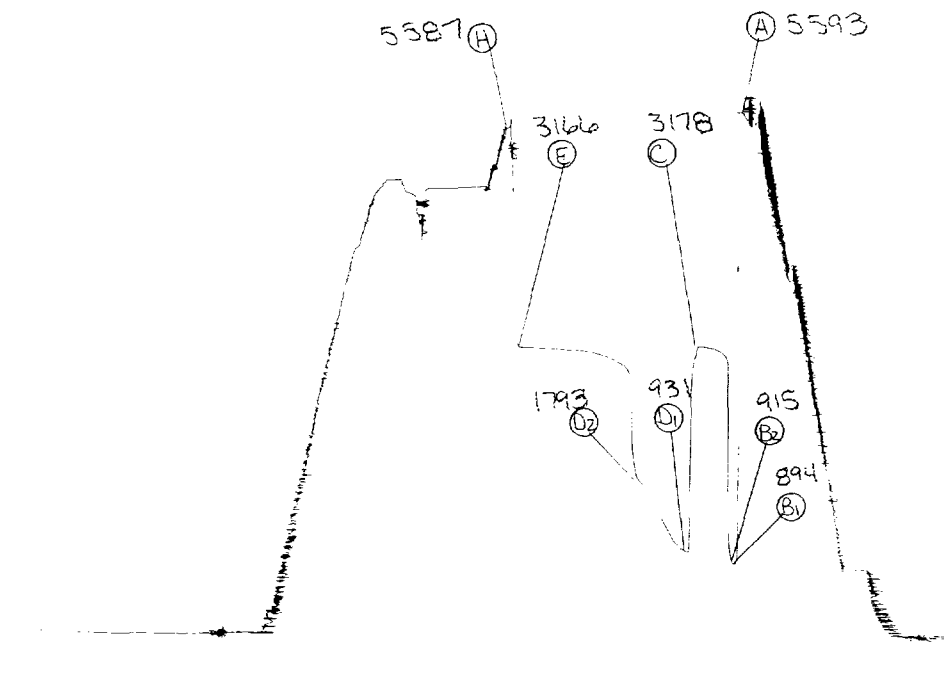
TKT-20718

REC-13815

WT-8275

AK-1 KUSTER 84 HR. CLOCK

BOTTOM RECORDER : OUTSIDE



RECOVERY DATA

PIPE RECOVERY

B.H. TEMP. (deg F) : 169

SAMPLE CHAMBER

GAS TO SURFACE 3 MIN. INTO INITIAL SHUT-IN PERIOD
PULLED 16 STANDS & REVERSED TO TEST TANK AN EST:
40 BBLS. OF FREE OIL (44 GRAVITY @ 70 DEGREES)
3 BBLS. OF OIL & GAS CUT MUD (50% OIL)
14 BBLS. OF WATER BLANKET TO RESERVE PIT (1500 MG/L)
90 FT. OF OIL & GAS CUT MUD (25% OIL) BELOW CIRC SUB

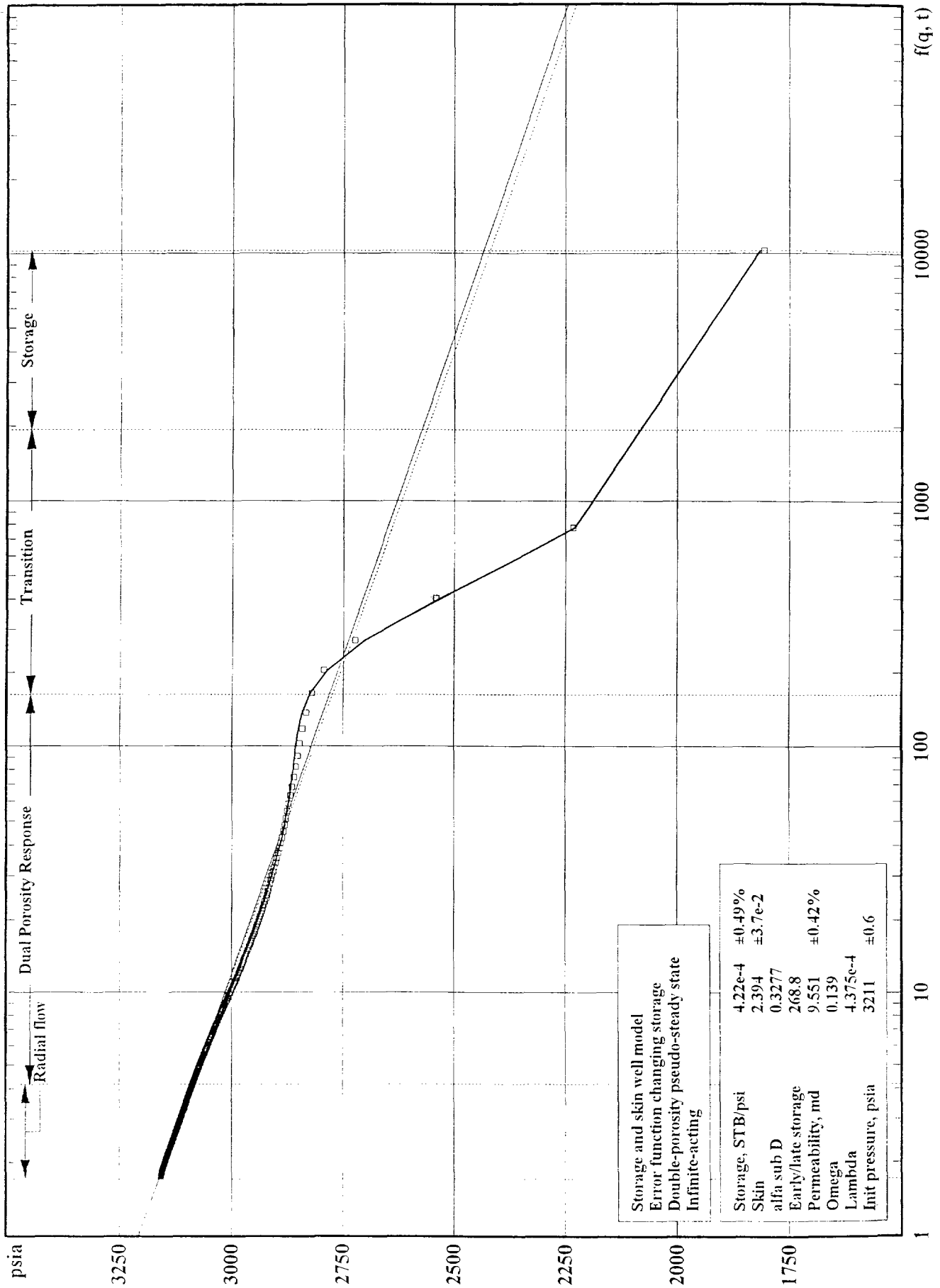
1900 LBS. PRESSURE
15.45 CU. FT. OF GAS
460 CC'S OF FREE OIL
43.2 GRAVITY @ 60 DEG.
420 CC'S OF FILTRATE WATER
(35,000 MG/L CHLORIDES)

TEST REMARKS

TOOL OPENED WITH GOOD BLOW WHICH INCREASED TO 1.5 LB. ON 1/4" IN 5 MIN.,
4 LBS. IN 10 MIN., & 38 LBS. ON 1/4" AT END OF 15 MIN. FIRST FLOW. GAS TO
SURFACE 3 MIN. INTO I.S.I.P. REOPENED WITH 2 LB. ON 1/4" (24 MCFPD) IN 2
MIN., 11 LB. (37 MCFPD) IN 10 MIN., 49 LB. (93 MCFPD) IN 30 MIN., 80 LB.
(139 MCFPD) IN 40 MIN., 137 LB. (222 MCFPD) IN 60 MIN., 140 LB. (227 MCFPD)
IN 65 MIN., DECREASED TO 138 LB. (224 MCFPD) IN 70 MIN., 128 LB. (209 MCFPD)
IN 80 MIN. & 125 LB. (205 MCFPD) ON 1/4" AT END OF THE 90 MIN. FINAL FLOW.

CHARLES B. GILLESPIE, JR. SNYDER "F" #3

Variable rate Horner plot (pressure & time)



FINAL SHUT-IN PERIOD DST #1 REGRESSION VERIFIED MODEL

ARC

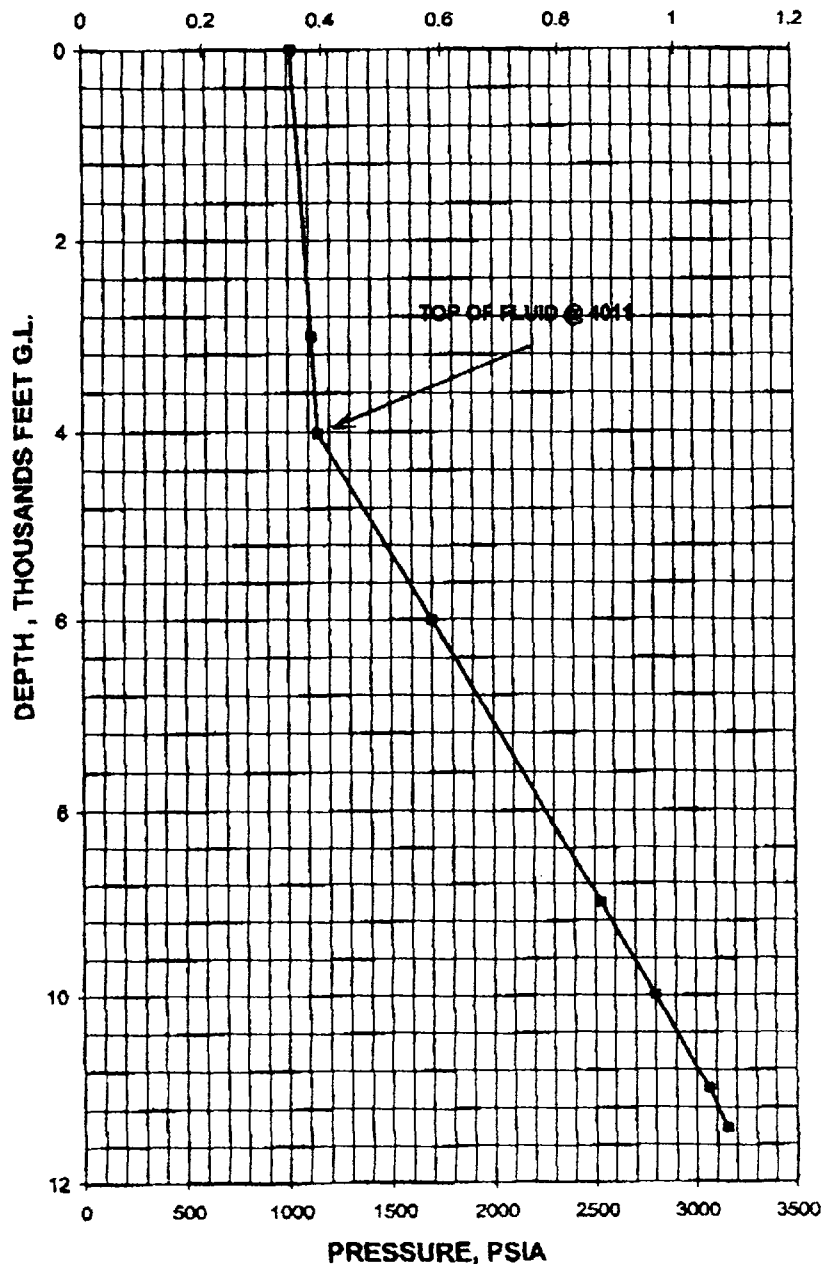
PRESSURE DATA

INCORPORATED

WELL GRADIENT SHEET

COMPANY ENERGEN RESOURCES CORP. LEASE BEADLE WELL NO. 1
 FIELD LOVINGTON WEST COUNTY LEA STATE NM
 FORMATION STRAWN SHUT IN DATE & TIME 7/21/89 18:10 HOURS SHUT IN 113.22
 TEST DATE 7/26/99 TIME 11:23 WELL STATUS SHUT IN JOB NUMBER 07521

TEMPERATURE, °F



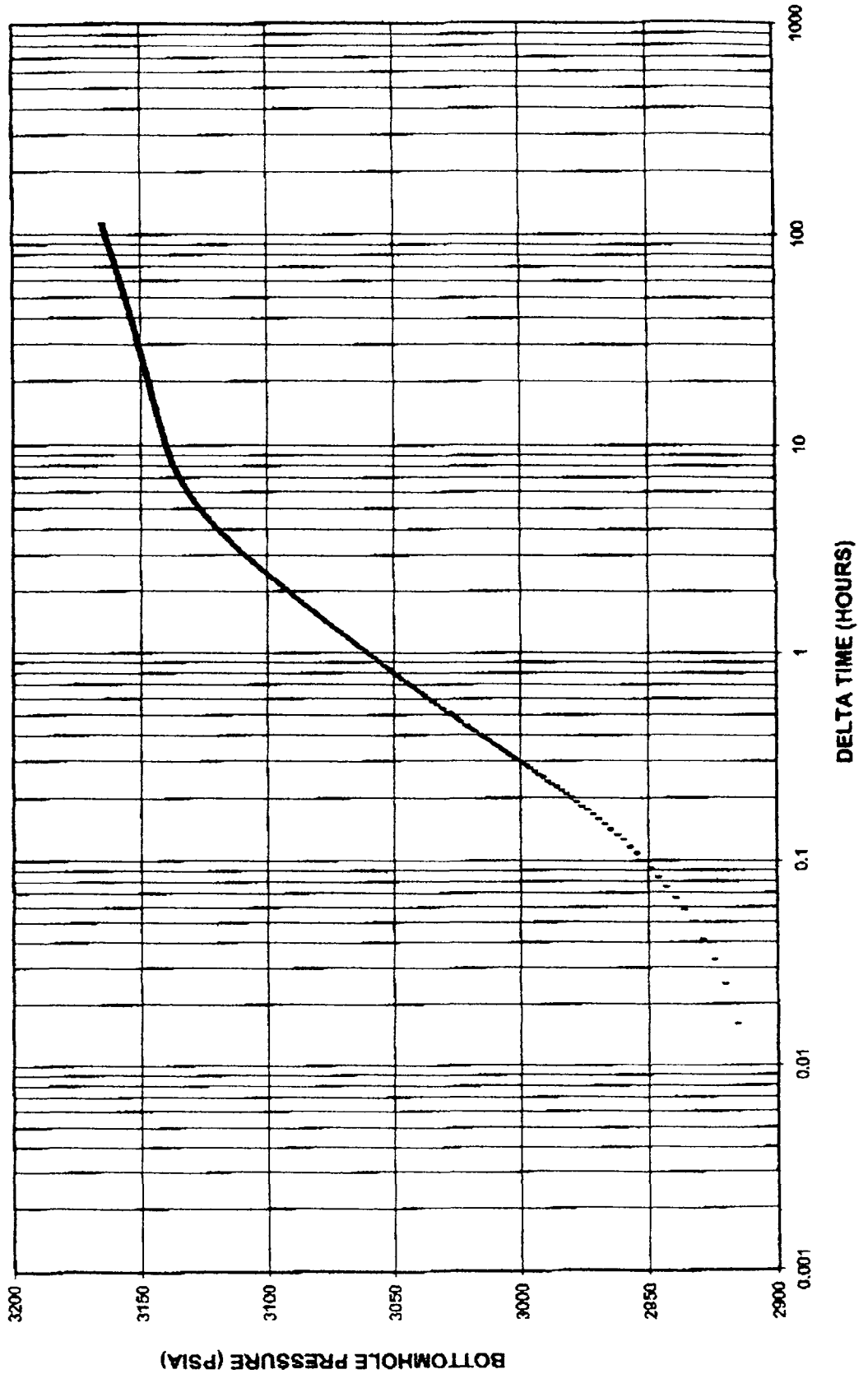
MEAS. DEPTH FEET G.L.	TRUE DEPTH FEET G.L.	TEMP. °F	PRESSURE PSIA	GRADIENT PSI/FT
0	0		1017.86	
3000	3000		1114.58	0.0322
6000	6000		1698.78	0.1947
9000	9000		2530.65	0.2773
10000	10000		2798.20	0.2676
11000	11000		3080.42	0.2622
11422	11422 R.D.		3158.85	0.2285

Elev. K.B. -	3965'	G.L. -	3947.4'
Pressure Datum			
Tubing	2 7/8"	Depth	11423'
S.N.	2.25"	Depth	11417'
Casing	5 1/2"	Depth	11803'
Perforations	11550' - 11572'		
Total Depth	11756' PB		
Casing Pressure	PACKER @ 11423'		
Tubing Pressure	1010 DWG		
Temp. @	11422'	=	169.98°F
Instrument No.	T-75		
Run By	JOE PEREZ		
Calculated By	HUB HAGLER		

AARC **PRESSURE DATA** INCORPORATED

COMPANY: ENERGEN RESOURCES CORP.
 LEASE: BEADLE
 WELL NUMBER: 1
 FIELD: LOVINGTON WEST
 COUNTY: LEA
 STATE: NM
 JOB #: 07521
 TEST DATE: 7/21/99
 7/26/99

SEMILOG PLOT



Beadle #1

7/21/98 Buildup Test

