

CUSTOMER : BWAB, INC.
 WELL : RADCLIFF #10-44
 TEST # : 1
 TICKET # : 130
 FORMATION : WOLFCAMP
 TEST DATE : MAR-28-86

TEST TYPE: DST CONVENTIONAL
 LOCATION : 330FSL, 330FWL-SEC 10
 FIELD : WILDCAT
 COUNTY : ROOSEVELT
 STATE : NEW MEXICO
 TESTER : RAY RUIZ

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TEST INTERVAL: 7374 TO 7507	FT.	TOTAL DEPTH	: 7507	FT.
NET PAY : 30	FT.	HOLE SIZE	: 7.7/8	IN.
POROSITY :	%	BOTTOM HOLE CHOKE:	1.0	IN.
ELEVATION : 4220 (GROUND)	FT.	WATER CUSHION	: NONE	FT.

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TEST RECOVERY	FEET	API	DEG	OHM-M	DEG	CHL PPM
1. DRILLING MUD	50					
2. FORMATION WATER	700					
3.						
4.						

SAMPLE CHAMBER

GAS :	FT3	OHM-M	DEG	PPM.	SAMPLE PRESSURE	: 10	PSI
OIL :	CC				OIL GRAVITY @ 60 F:		DEG API
WATER: 1900 CC	.051	63	190207		GAS/OIL RATIO	:	FT3/BBL
MUD : 200 CC					GAS/LIQUID RATIO	:	FT3/BBL

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MUD TYPE :	MUD RESISTIVITY	: .052	OHM-M
MUD WEIGHT : 9.4	#/GAL	MUD RES. MEAS. TEMP.	: 68 DEG
MUD VISCOSITY: 46	SEC	MUD FILTRATE RES.	: OHM-M
WATER LOSS :	CC/30 MIN	MUD FILT. RES. MEAS. TEMP:	DEG
MUD CHLORIDES: 170000	PPM		

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TEST STRING	THREAD	I.D. IN.	O.D. IN.	LENGTH FT.
1. DRILL PIPE	4.0 FH			6867
2. DRILL COLLARS		2.50	6.25	473
3. TEST TOOLS	3.5 IF	1.00	5.0	160

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SEQUENCE OF EVENTS	MIN.	CHOKE	SURFACE RESPONSE
START FLOW (MAR-28-86)		BH	STRONG BLOW
END FLOW START SHUT-IN	5	BH	
END SHUT-IN	60		
START FLOW		BH	WEAK BLOW
		BH	BLOW INCREASING @ 5 MIN.
		BH	BLOW INCREASING @ 20 MIN.
		BH	INCREASING TO GOOD BLOW @ 30 MIN
		BH	INC. TO STRONG BLOW @ 60 MIN.
END FLOW START SHUT-IN	90		
END SHUT-IN	120		

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FIRST FLOW PERIOD

DELTA TIME [MIN]	PRESSURE [PSI]
0	494
2	525
5	565

FIRST SHUT-IN PERIOD

FINAL FLOW PRESS.: 565 [PSI]
PRODUCTION TIME : 5 [MIN]

DELTA TIME [MIN]	PRESSURE [PSI]	DELTA PRESSURE [PSI]	LOG TP+dT/dT
0	565	0	
2	1688	1123	0.544
4	2182	1617	0.352
6	2355	1790	0.263
8	2413	1848	0.211
10	2463	1898	0.176
15	2523	1958	0.125
20	2558	1993	0.097
25	2581	2016	0.079
30	2600	2035	0.067
40	2633	2068	0.051
50	2652	2087	0.041
60	2668	2103	0.035

SECOND FLOW PERIOD

DELTA TIME [MIN]	PRESSURE [PSI]
0	451
10	471
20	453
30	428
40	428
50	432
60	438
70	448
80	459
90	469

SECOND SHUT-IN PERIOD

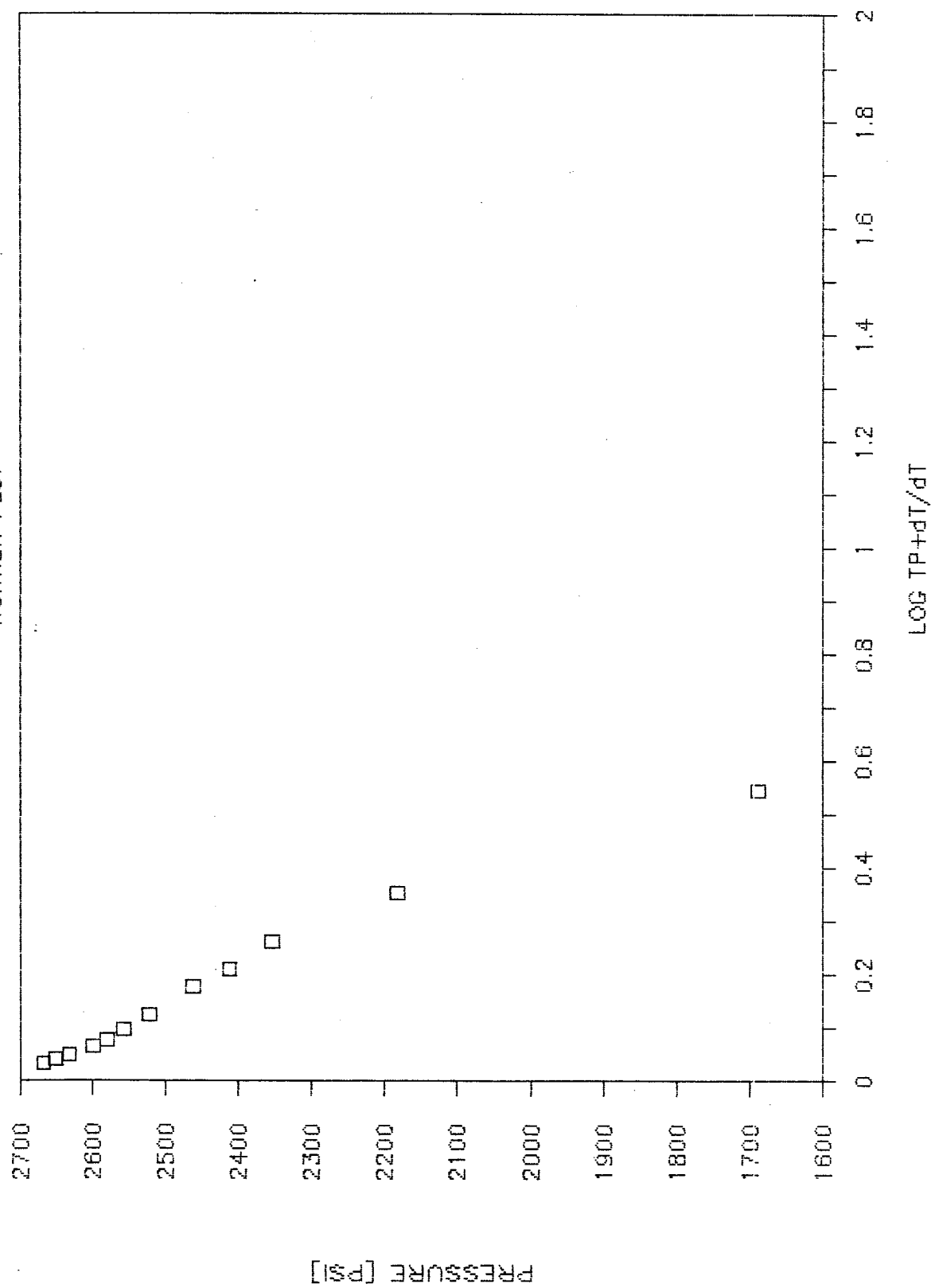
FINAL FLOW PRESS.: 469 [PSI]
PRODUCTION TIME : 95 [MIN]

DELTA TIME [MIN]	PRESSURE [PSI]	DELTA PRESSURE [PSI]	LOG TP+dT/dT
0	469	0	
2	554	85	1.686
4	689	220	1.394
6	966	497	1.226

DELTA TIME [MIN]	PRESSURE [PSI]	DELTA PRESSURE [PSI]	LOG TP+dT/dT
8	1267	798	1.110
10	1464	995	1.021
15	1767	1298	0.865
20	1966	1497	0.760
25	2068	1599	0.681
30	2132	1663	0.620
40	2226	1757	0.528
50	2292	1823	0.462
60	2342	1873	0.412
70	2371	1902	0.372
80	2396	1927	0.340
90	2421	1952	0.313
100	2442	1973	0.290
110	2456	1987	0.270
120	2471	2002	0.253

FIRST SHUT-IN PERIOD

HORNER PLOT



SECOND SHUT-IN PERIOD

HORNER PLOT

