

DRILL-STEM TEST DATA

Well Name: LACEY NICOLE #1-16
Company : AMOCO PRODUCTION CO
Location - Sec: 16 **Twp:** 29S **Rge:** 40W
County: STANTON **State:** KS
Date: 07/16/95

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Co
 WELL NAME: Lacey Nicole #1-16
 LOCATION : 16-29S-40W, Stanton Cty
 INTERVAL : 5386.00 To 5491.00 ft

DATE 07/16/95

KB 3300.00 ft TICKET NO: 7943 DST #1
 GR 0.00 ft FORMATION: Morrow
 TD 5491.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	AK-1	AK-1	AK-1			PF Fr. 10 to hr
SI 60 Range(Psi)	4000.0	4000.0	4375.0	0.0	0.0	IS Fr. to 1 hr
SF 120 Clock(hrs)	25810	25810	23858			SF Fr. to 2 hr
FS 120 Depth(ft)	5390.0	5390.0	5487.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2745.0	2746.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	39.0	34.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	39.0	36.0	0.0	0.0	0.0	T OPEN 0517 hr
C. In Shut-in	719.0	723.0	0.0	0.0	0.0	T PULLED 1027 hr
D. Init Flow	39.0	38.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	49.0	49.0	0.0	0.0	0.0	
F. Fl Shut-in	719.0	703.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2695.0	2685.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 616.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 80.00 ft of 80.00 ft in DC and 0.00 ft in DP
 400.00 ft of Gas in Pipe
 80.00 ft of Gassy Mud - 20% gas, 80% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Weak, building to 3 1/2"

Final Blow -
 Weak, building to 6"

SAMPLES:
 SENT TO:

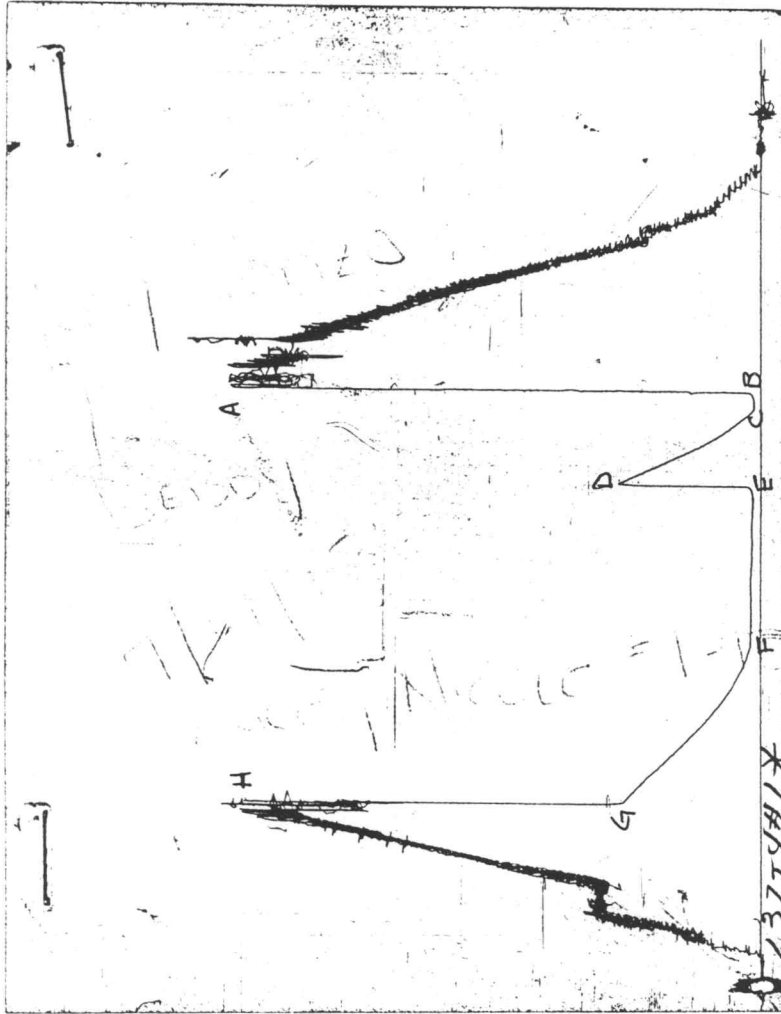
MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	51.00 S/L
W.L.	8.10 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Sam Carmack
Contr.	Cheyenne
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

INITIAL FLOW

DST # 1
RECORDER 13754

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	33.5	33.5
3	33.5	0.0
6	33.5	0.0
9	33.5	0.0
10	36.4	3.0

FINAL FLOW

DST # 1
RECORDER 13754

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	38.4	38.4
6	38.4	0.0
12	39.4	1.0
18	39.4	0.0
24	39.4	0.0
30	44.3	4.9
36	44.3	0.0
42	44.3	0.0
48	44.3	0.0
54	44.3	0.0
60	44.3	0.0
66	46.3	2.0
72	46.3	0.0
78	51.2	4.9
84	51.2	0.0
90	51.2	0.0
96	51.2	0.0
102	51.2	0.0
108	49.2	-2.0
114	49.2	0.0
120	49.2	0.0

INITIAL SHUT-IN

PATRICK #1

DST # 1

INITIAL FLOW TIME 20

SLOPE
P*PSI/CYCLE
PSI

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
3	45.3	0.885	45.3	8
6	66.9	0.637	21.7	4
9	96.5	0.508	29.5	3
12	121.1	0.426	24.6	3
15	142.7	0.368	21.7	2
18	173.2	0.325	30.5	2
21	201.8	0.291	28.5	2
24	237.2	0.263	35.4	2
27	270.7	0.241	33.5	2
30	306.1	0.222	35.4	2
33	354.3	0.206	48.2	2
36	394.7	0.192	40.4	2
39	440.9	0.180	46.3	2
42	488.2	0.169	47.2	1
45	526.7	0.160	38.5	1
48	569.2	0.151	42.5	1
51	610.7	0.144	41.5	1
54	660.1	0.137	49.4	1
57	697.6	0.131	37.6	1
60	723.3	0.125	25.7	1

FINAL SHUT-IN

PATRICK #1

DST # 1

TOTAL FLOW TIME 130

SLOPE
P*

PSI/CYCLE
PSI

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
0	65.0	ERR	65.0	ERR
6	74.8	1.355	9.8	23
12	91.5	1.073	16.7	12
18	115.2	0.915	23.6	8
24	136.8	0.807	21.7	6
30	161.4	0.727	24.6	5
36	187.0	0.664	25.6	5
42	219.5	0.612	32.5	4
48	251.0	0.569	31.5	4
54	280.5	0.532	29.5	3
60	318.9	0.501	38.4	3
66	360.2	0.473	41.3	3
72	397.6	0.448	37.4	3
78	442.9	0.426	45.3	3
84	480.3	0.406	37.4	3
90	519.8	0.388	39.5	2
96	567.2	0.372	47.4	2
102	607.7	0.357	40.5	2
108	645.2	0.343	37.5	2
114	681.8	0.330	36.6	2
120	702.6	0.319	20.8	2

FLUID SAMPLER DATA

Ticket No.: 7943

Date: 07/16/95

Company: AMOCO PRODUCTION CO

Lease: LACEY NICOLE #1-16

Test No.: 1

County: STANTON Sec.: 16 Twp.: 29S Rng.: 40

SAMPLER RECOVERY

Gas		ML
Oil		ML
Mud	GASSY	ML
Water		ML
Other		ML
Pressure	500	PSI
TOTAL	4000	ML

SAMPLER ANALYSIS

Resistivity	ohms@	F
Chlorides		ppm.
Gravity	corrected @60F	

PIT MUD ANALYSIS

Chlorides	900	
Resistivit	ohms@	F
Viscosity	51	
Mud Wt.	9.1	
Filtrate	8.1	
Other		

PIPE RECOVERY

TOP

Resistivit	ohms@	F
Chlorides		ppm.

MIDDLE

Resistivit	ohms@	F
Chlorides		ppm.

BOTTOM

Resistivit	ohms@	F
Chlorides		ppm.

CALCULATED RECOVERY ANAL DRILL COLLARS

DST # 1

TICKET # 7943

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	80	20	16	0	0	0	0	80	64
2			0	0	0	0	0		0
3			0	0	0	0	0		0
4			0	0	0	0	0		0
5			0	0	0	0	0		0
TOTAL	80	20.00	16	0.00	0	0.00	0	80	64

HRS OPE BBL/DAY

BBL OIL=	0	*	2.17	0
BBL WAT	0	*		0
BBL MUD	0.31296			
BBL GAS	0.07824			

