

15-055-21629

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : PetroSantander USA Inc.

DATE 9-26-98

WELL NAME: Pauls #9-6

KB 2792.00 ft

TICKET NO: 11018 DST #1

LOCATION : 9-23S-31W Finney KS.

GR 2788.00 ft

FORMATION: Morrow

I_{OP}ERVAL : 4754.00 To 4780.00 ft

TD 4900.00 ft

TEST TYPE: CONV STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024		13309	PF Fr. 1058 to 1128 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	4700.0	IS Fr. 1128 to 1228 hr
SF 30 Clock(hrs)	12 Hr	12	ALP		12 HR	SF Fr. 1228 to 1258 hr
FS 60 Depth(ft)	4775.0	4775.0	4760.0	0.0	4895.0	FS Fr. 1258 to 1358 hr

	Field	1	2	3	4	
A. Init Hydro	2363.0	2345.0	2363.0	0.0	0.0	T STARTED 0908 hr
B. First Flow	52.0	36.0	28.0	0.0	0.0	T ON BOTM 1056 hr
Bl. Final Flow	52.0	37.0	72.0	0.0	0.0	T OPEN 1058 hr
C. In Shut-in	1150.0	1146.0	1200.0	0.0	0.0	T PULLED 1358 hr
D. Init Flow	93.0	93.0	79.0	0.0	0.0	T OUT 1600 hr
E. Final Flow	93.0	93.0	109.0	0.0	0.0	
F. Fl Shut-in	1130.0	1132.0	1176.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2353.0	2335.0	2338.0	0.0	0.0	Tool Wt. 2500.00 lbs
Inside/Outside	0	0	I		S	Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 76000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 178.00 ft
						D.P. Length 4572.00 ft

RECOVERY

Tot Fluid 190.00 ft of 187.00 ft in DC and 12.00 ft in DP

190.00 ft of Thin 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

0.00 ft of RW 2.9 @ 70 deg =

SALINITY 2100.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak surface blow built to 2"

Final Flow:

No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	48.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Pete K / Wes H
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

9-23-31W

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : PetroSantander USA Inc.

DATE 9-26-98

WELL NAME: Pauls #9-6

KB 2892.00 ft

TICKET NO: 11019

DST #2

LOCATION : 9-23S-31W Finney KS.

GR 2887.00 ft

FORMATION: Morrow

ERVAL : 4754.00 To 4805.00 ft

TD 4900.00 ft

TEST TYPE: CONV STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024		13309	PF Fr. 2000 to 2030 hr
SI 60 Range(Psi)	4700.0	4700.0	4995.0	0.0	4700.0	IS Fr. 2030 to 2130 hr
SF 30 Clock(hrs)	12 HR	12	ALP		12 HR	SF Fr. 2130 to 2200 hr
FS 60 Depth(ft)	4795.0	4795.0	4760.0	0.0	4895.0	FS Fr. 2200 to 2300 hr

	Field	1	2	3	4	
A. Init Hydro	2353.0	2330.0	2374.0	0.0	2417.0	T STARTED 1822 hr
B. First Flow	31.0	41.0	22.0	0.0	0.0	T ON BOTM 1958 hr
B1. Final Flow	31.0	41.0	36.0	0.0	0.0	T OPEN 2000 hr
C. In Shut-in	405.0	284.0	408.0	0.0	0.0	T PULLED 2300 hr
D. Init Flow	31.0	41.0	38.0	0.0	0.0	T OUT 0130 hr
E. Final Flow	31.0	41.0	48.0	0.0	0.0	
F. Fl Shut-in	384.0	228.0	340.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2333.0	2357.0	2350.0	0.0	2370.0	Tool Wt. 2500.00 lbs
Inside/Outside	O	O	I		S	Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 76000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 178.00 ft
						D.P. Length 4572.00 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 30.00 ft of Thin 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
 0.00 ft of RW 2.9 @ 70deg =

SALINITY 2100.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 1/4" blow decreased to surface

Final Flow:

No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/ci
Vis.	48.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Pete K / Wes H
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y