

WELL NAME: McBroom # 1
COMPANY: Double Eagle Exploration
LOCATION: 15-12S-14W
Russell County, Kansas
DATE: 12/30/97

TRILOBITE TESTING L.L.C.

OPERATOR : Double Eagle Exploration
WELL NAME: McBroom # 1
LOCATION : 15-12S-14W CO Russell KS
INTERVAL : 2948.00 To 2977.00 ft

DATE 12-27-97
KB 1795.00 ft TICKET NO: 10571 DST #1
GR 1790.00 ft FORMATION: Lancing A&B
TD 2977.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11084	11084	24174			PF Fr. 1322 to 1352 hr
SI 30 Range(Psi)	4300.0	4300.0	3925.0	0.0	0.0	IS Fr. 1352 to 1422 hr
SF 45 Clock(hrs)	12hr	12hr	12hr			SF Fr. 1422 to 1508 hr
FS 60 Depth(ft)	2951.0	2951.0	2972.0	0.0	0.0	FS Fr. 1508 to 1608 hr

	Field	1	2	3	4	
A. Init Hydro	1444.0	1434.0	0.0	0.0	0.0	T STARTED 1215 hr
B. First Flow	22.0	25.0	0.0	0.0	0.0	T ON BOTM 1315 hr
B1. Final Flow	33.0	35.0	0.0	0.0	0.0	T OPEN 1322 hr
C. In Shut-in	329.0	347.0	0.0	0.0	0.0	T PULLED 1607 hr
D. Init Flow	55.0	60.0	0.0	0.0	0.0	T OUT 1715 hr
E. Final Flow	66.0	58.0	0.0	0.0	0.0	
F. Fl Shut-in	329.0	346.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1433.0	1443.0	0.0	0.0	0.0	Tool Wt. 2900.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 35000.00 lbs
						Initial Str Wt 30000.00 lbs
						Unseated Str Wt 30000.00 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 0.00 ft
						D.P. Length 2933.00 ft

RECOVERY

Tot Fluid 105.00 ft of 0.00 ft in DC and 95.00 ft in DP
95.00 ft of Gas in pipe
45.00 ft of Slight oil and water cut mud
0.00 ft of 5% oil 35% water 60% mud
60.00 ft of Muddy water 70% water 30% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 58000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/2" blow building to 6"

Final Flow:
1/2" blow building to 8"

Final Shut-in:
very weak surface blow

SAMPLES:

SENT TO:

MUD DATA-----

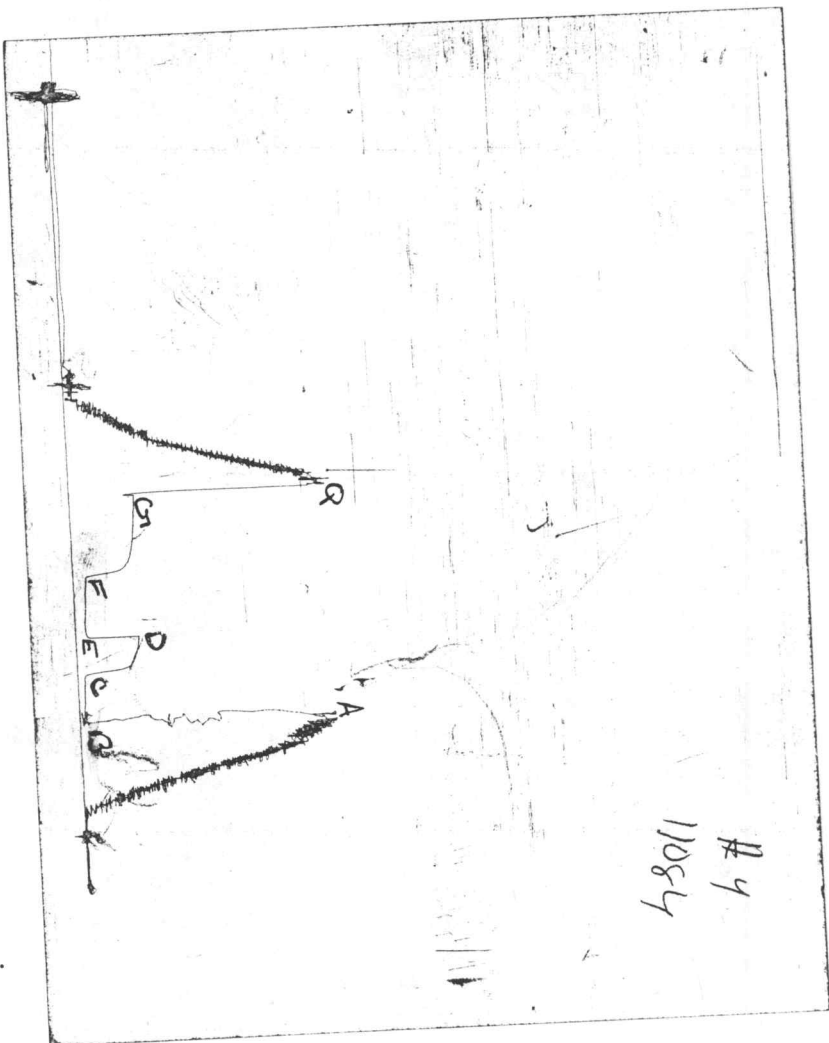
Mud Type	Chemical
Weight	9.00 lb/c
Vis.	44.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	92.00 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	Paul Simpson
Co. Rep.	Jim Musgrove
Contr.	Vonfeldt
Rig #	
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Double Eagle Exploration
WELL NAME: McBroom # 1
LOCATION : 15-12S-14W CO Russell KS
INTERVAL : 2982.00 To 2998.00 ft

DATE 12-28-97
KB 1795.00 ft TICKET NO: 10572 DST #2
GR 1790.00 ft FORMATION: LKC
TD 2998.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11084	11084	24174			PF Fr. 0113 to 0143 hr
SI 30 Range(Psi)	4300.0	4300.0	3925.0	0.0	0.0	IS Fr. 0143 to 0213 hr
SF 45 Clock(hrs)	12hr	12hr	12hr			SF Fr. 0213 to 0258 hr
FS 60 Depth(ft)	2985.0	2951.0	2993.0	0.0	0.0	FS Fr. 0258 to 0358 hr

	Field	1	2	3	4	
A. Init Hydro	1487.0	1471.0	0.0	0.0	0.0	T STARTED 0002 hr
B. First Flow	44.0	35.0	0.0	0.0	0.0	T ON BOTM 0108 hr
Bl. Final Flow	44.0	30.0	0.0	0.0	0.0	T OPEN 0113 hr
C. In Shut-in	296.0	276.0	0.0	0.0	0.0	T PULLED 0358 hr
D. Init Flow	44.0	34.0	0.0	0.0	0.0	T OUT 0515 hr
E. Final Flow	44.0	48.0	0.0	0.0	0.0	
F. Fl Shut-in	318.0	283.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1455.0	1413.0	0.0	0.0	0.0	Tool Wt. 2400.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 45000.00 lbs
						Initial Str Wt 30000.00 lbs
						Unseated Str Wt 30000.00 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 0.00 ft
						D.P. Length 2964.00 ft

RECOVERY

Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
20.00 ft of Oil Specked watery mud
0.00 ft of 3% oil 37% water 60% 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

SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
weak 1/2" blow building to 1 1/2"

Final Flow:
surface blowing building to 1 1/2"

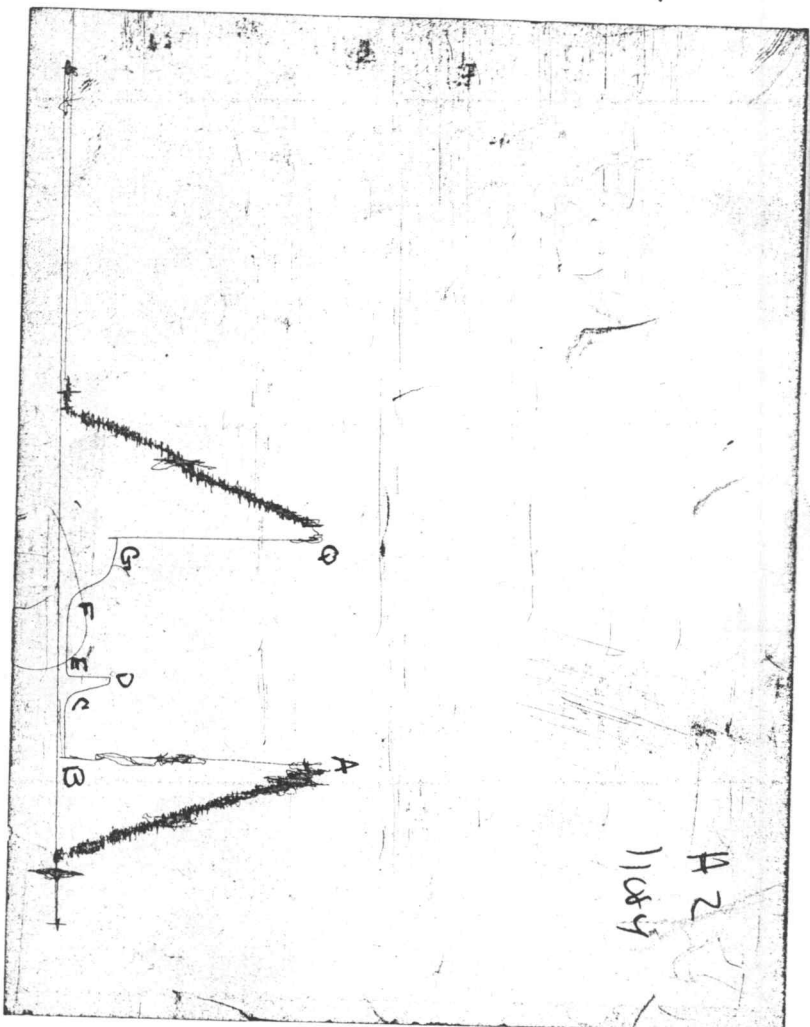
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.00 lb/c
Vis. 44.00 S/L
W.L. 10.40 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 90.00 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 Paul Simpson
Co. Rep. Jim Musgrove
Contr. Vonfeldt
Rig #
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Double Eagle Exploration
WELL NAME: McBroom # 1
LOCATION : 15-12S-14W CO Russell KS
INTERVAL : 3038.00 To 3148.00 ft

DATE 12-28-97
KB 1795.00 ft TICKET NO: 10573 DST #3
GR 1790.00 ft FORMATION: LKC G
TD 3048.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174				PF Fr. 1632 to 1702 hr
SI 30 Range(Psi)	3925.0	3925.0	0.0	0.0	0.0	IS Fr. 1702 to 1732 hr
SF 30 Clock(hrs)	12hr	12hr				SF Fr. 1732 to 1802 hr
FS 30 Depth(ft)	3043.0	3043.0	0.0	0.0	0.0	FS Fr. 1802 to 1832 hr

	Field	1	2	3	4	
A. Init Hydro	1500.0	1499.0	0.0	0.0	0.0	T STARTED 1545 hr
B. First Flow	30.0	50.0	0.0	0.0	0.0	T ON BOTM 1628 hr
B1. Final Flow	30.0	40.0	0.0	0.0	0.0	T OPEN 1632 hr
C. In Shut-in	316.0	308.0	0.0	0.0	0.0	T PULLED 1832 hr
D. Init Flow	30.0	67.0	0.0	0.0	0.0	T OUT 1935 hr
E. Final Flow	30.0	44.0	0.0	0.0	0.0	
F. Fl Shut-in	308.0	304.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1439.0	1432.0	0.0	0.0	0.0	Tool Wt. 1900.00 lbs
Inside/Outside	o	o				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 52000.00 lbs
						Initial Str Wt 31000.00 lbs
						Unseated Str Wt 31000.00 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 0.00 ft
						D.P. Length 3023.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
15.00 ft of Muddy water 80% water 20% 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

SALINITY 360000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
slid tool 1" when opened, 1" blow
decreasing in 11 mins.

Final Flow:

weak surface blow died in 8 mins.

SAMPLES:

SENT TO:

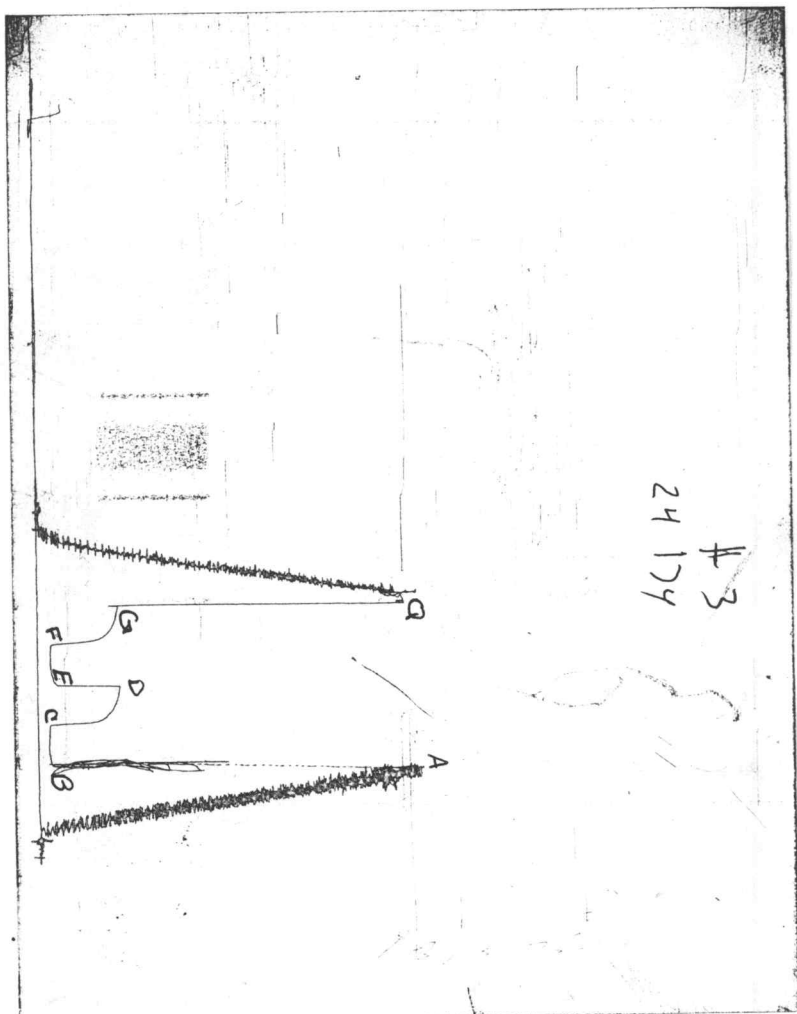
MUD DATA-----

Mud Type	Chemical
Weight	0.00 lb/c
Vis.	0.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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	Paul Simpson
Co. Rep.	Jim Musgrove
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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TRILOBITE TESTING L.L.C.

OPERATOR : Double Eagle Exploration
WELL NAME: McBroom # 1
LOCATION : 15-12S-14W CO Russell KS
INTERVAL : 3102.00 To 3155.00 ft

DATE 12-29-97
KB 1795.00 ft TICKET NO: 10574 DST #4
GR 1790.00 ft FORMATION: LKC J-K
TD 3155.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11084	11084	24174			PF Fr. 0820 to 0850 hr
SI 30 Range(Psi)	4300.0	4300.0	3925.0	0.0	0.0	IS Fr. 0850 to 0920 hr
SF 45 Clock(hrs)	12hr	12hr	12hr			SF Fr. 0920 to 1005 hr
FS 30 Depth(ft)	3109.0	3109.0	3150.0	0.0	0.0	FS Fr. 1005 to 1035 hr

	Field	1	2	3	4	
A. Init Hydro	1523.0	1547.0	0.0	0.0	0.0	T STARTED 0715 hr
B. First Flow	44.0	38.0	0.0	0.0	0.0	T ON BOTM 0815 hr
B1. Final Flow	44.0	40.0	0.0	0.0	0.0	T OPEN 0820 hr
C. In Shut-in	384.0	367.0	0.0	0.0	0.0	T PULLED 1035 hr
D. Init Flow	44.0	52.0	0.0	0.0	0.0	T OUT 1245 hr
E. Final Flow	55.0	37.0	0.0	0.0	0.0	
F. Fl Shut-in	329.0	325.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1541.0	1519.0	0.0	0.0	0.0	Tool Wt. 3400.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 31000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 31000.00 lbs
						Unseated Str Wt 31000.00 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 0.00 ft
						D.P. Length 3087.00 ft

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP
45.00 ft of Watery mud 10% water 90% 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

SALINITY 360000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
slid tool 1" when opened, 1" blow
decreasing in 11 mins.

Final Flow:

weak surface blow died in 8 mins.

SAMPLES:

SENT TO:

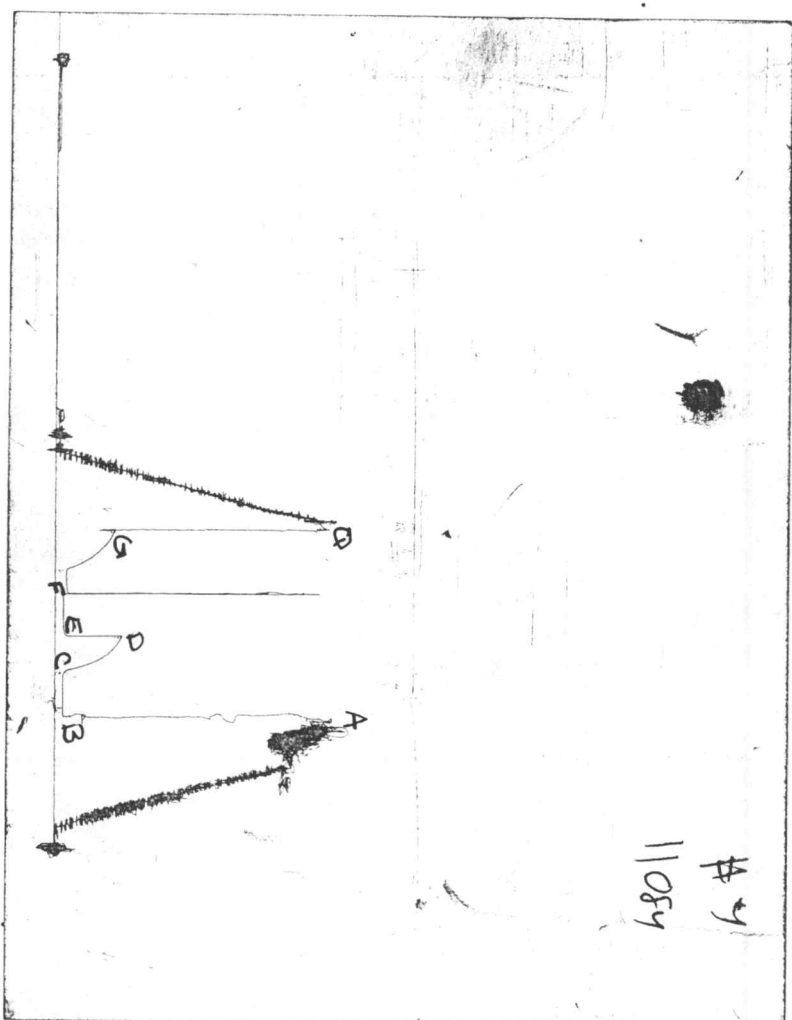
MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	39.00 S/L
W.L.	17.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 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	Paul Simpson
Co. Rep.	Jim Musgrove
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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