

DRILL-STEM TEST DATA

Well Name:	TERRY HOBBS #1		
Company :	ABERCROMBIE DRILLING		
Location - Sec:	1	Twp:	11S
County:	TREGO	State:	KS
Date:	08/31/95		

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling
WELL NAME: Terry Hobbs #1
LOCATION : 1-11S-25W, Trego Cty, KS
INTERVAL : 3745.00 To 3808.00 ft

DATE 08/29/95
KB 0.00 ft TICKET NO: 8402 DST #1
GR 2392.00 ft FORMATION: Lansing A-C
TD 3808.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 1115 to 1145 hr
SI 45 Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0	IS Fr. 1145 to 1230 hr
SF 60 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1230 to 1330 hr
FS 45 Depth(ft)	3800.0	3800.0	3803.0	0.0	0.0	FS Fr. 1330 to 1415 hr

	Field	1	2	3	4	
A. Init Hydro	1760.0	1780.0	0.0	0.0	0.0	T STARTED 0730 hr
B. First Flow	207.0	189.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	502.0	485.0	0.0	0.0	0.0	T OPEN 1115 hr
C. In Shut-in	1172.0	1149.0	0.0	0.0	0.0	T PULLED 1415 hr
D. Init Flow	546.0	531.0	0.0	0.0	0.0	T OUT 1615 hr
E. Final Flow	854.0	827.0	0.0	0.0	0.0	
F. Fl Shut-in	1172.0	1149.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1728.0	1734.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 23000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 43000.00 lbs
						Unseated Str Wt 54000.00 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 3218.00 ft
						H.W. I.D 2.70 in
						H.W. Length 505.00 ft

RECOVERY

Tot Fluid 1780.00 ft of 0.00 ft in DC and 1275.00 ft in DP
1.00 ft of Clean Oil - 100% oil
60.00 ft of Oily Mud Cut Water- 15% oil, 50% H2O, 35% mud
90.00 ft of Oily Mud Cut Water - 5% oil, 50% H2O, 45% mud
1630.00 ft of Water - 100% H2O
0.00 ft of
0.00 ft of
0.00 ft of

RW .13 @ 95 F

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -

Bottom of bucket blow in 1.75 min

Final Blow -

Bottom of bucket blow in 5 min

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	96.00 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	

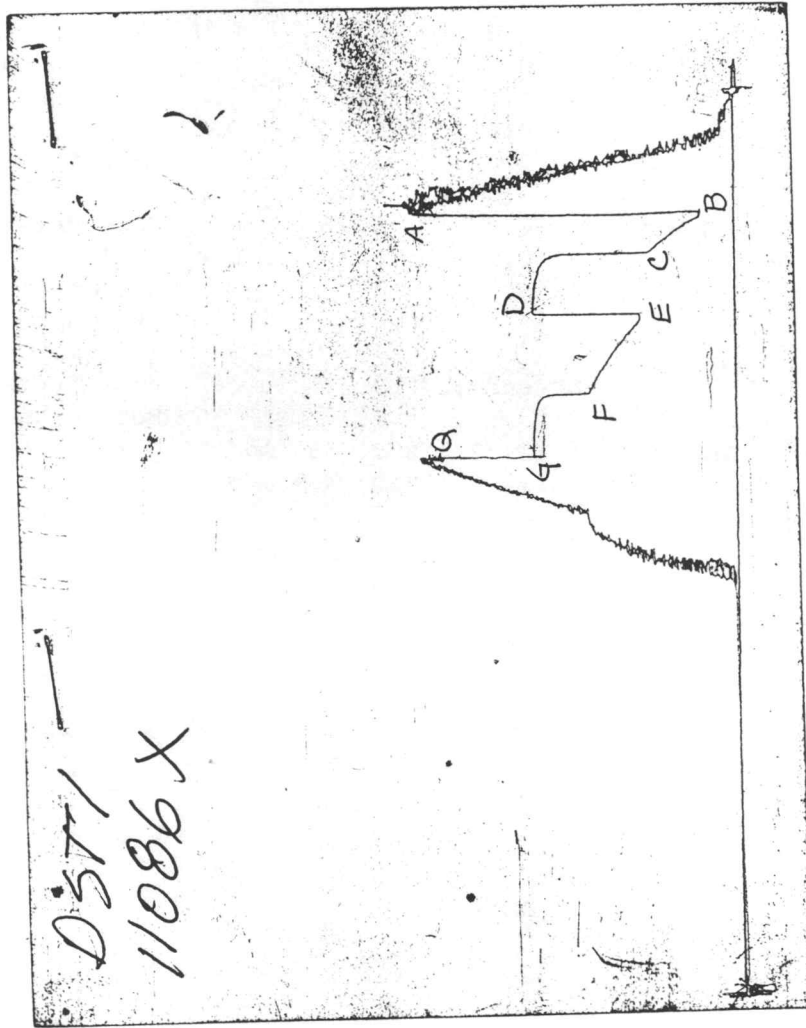
SAMPLES:

SENT TO:

Tester Gary Speer
Co. Rep. Arden Ratzlaff
Contr. Abercrombie
Rig # 8
Unit #
Pump T.

Test Successful: Y

CHART PAGE



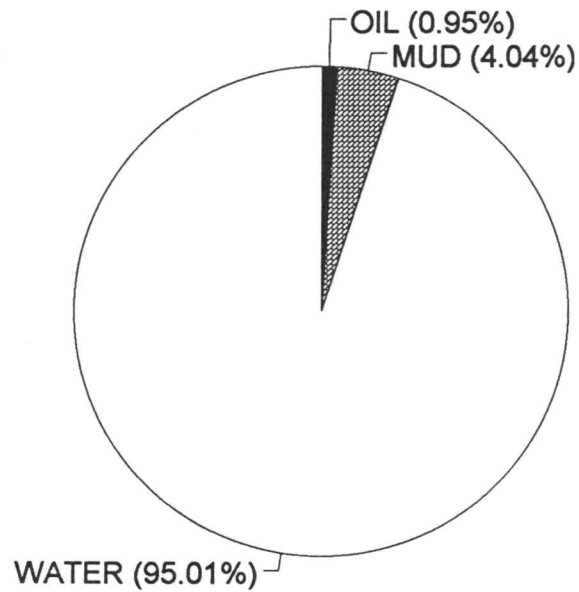
This is an actual photograph of recorder chart

CALCULATED RECOVERY ANALYSIS

DST # 1

TICKET # 8402

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL PIPE	1		0	100	1		0		0	
	2		0	15	9	50	30	35	21	
	3		0	5	4.5	50	45	45	40.5	
	4		0		0	100	1124		0	
	5		0		0		0		0	
WEIGHT PIPE	6		0		0		0		0	
	1		0		0	100	506		0	
	2		0		0		0		0	
	3		0		0		0		0	
DRL COLLAR	4		0		0		0		0	
	1		0		0		0		0	
	2		0		0		0		0	
	3		0		0		0		0	
	4		0		0		0		0	
	5		0		0		0		0	
TOTAL	1781	0	0	0.814149	14.5	95.73273	1705	3.453116	61.5	
HRS OPE BBL/DAY										
BBL OIL=	0.20619	*		1.50	3.29904					
BBL WATER=	20.59178	*			329.4685					
BBL MUD=	0.87453									
BBL GAS =	0									



TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling

DATE 08/30/95

WELL NAME: Terry Hobbs #1

KB 2397.00 ft

TICKET NO: 8530

DST #2

LOCATION : 1-11S-25W, Trego Cty, KS

GR 0.00 ft

FORMATION: LKC "H"

INTERVAL : 3876.00 To 3910.00 ft

TD 3910.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 0320 to 0350 hr
SI 45 Range(Psi)	4000.0	4000.0	0.0	0.0	0.0	IS Fr. 0350 to 0435 hr
SF 60 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0435 to 0535 hr
FS 45 Depth(ft)	3880.0	3880.0	3906.0	0.0	0.0	FS Fr. 0535 to 0620 hr

	Field	1	2	3	4	
A. Init Hydro	1936.0	1938.0	0.0	0.0	0.0	T STARTED 0220 hr
B. First Flow	305.0	356.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	996.0	1001.0	0.0	0.0	0.0	T OPEN 0320 hr
C. In Shut-in	1136.0	1146.0	0.0	0.0	0.0	T PULLED 0620 hr
D. Init Flow	1056.0	1054.0	0.0	0.0	0.0	T OUT 0830 hr
E. Final Flow	1136.0	1149.0	0.0	0.0	0.0	
F. Fl Shut-in	1136.0	1152.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1866.0	1847.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 45000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 59000.00 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 3050.00 ft
						H.W. I.D 2.70 in
						H.W. Length 505.00 ft

RECOVERY

Tot Fluid 2450.00 ft of 0.00 ft in DC and 1945.00 ft in DP

2450.00 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

RW .10 @ 80 F

SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -

Strong, bottom of bucket in 30 sec

Final Blow -

Strong, bottom of bucket in 45 sec

SAMPLES:

SENT TO:

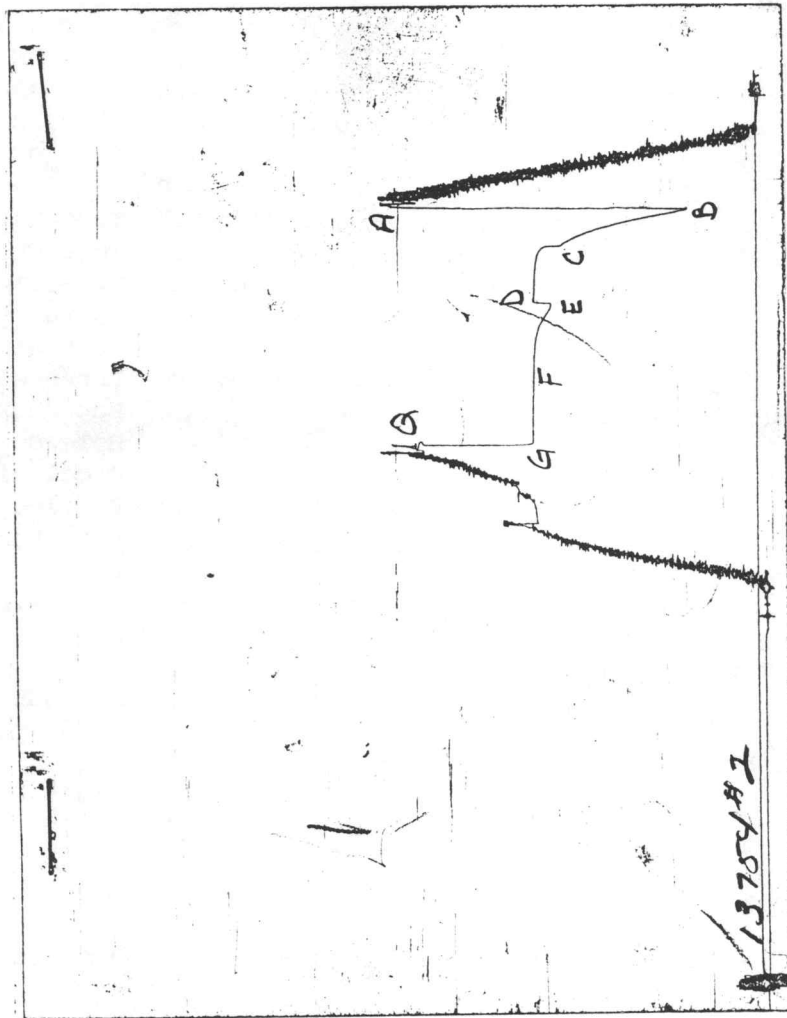
MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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.	Arden Ratzlaff
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling

DATE 08/31/95

WELL NAME: Terry Hobbs #1

KB 2397.00 ft

TICKET NO: 8531

DST #3

LOCATION : 1-11S-25W, Trego Cty, KS

GR 0.00 ft

FORMATION: LKC "C"

INTERVAL : 3768.00 To 3800.00 ft

TD 4032.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1	AK-1		PF Fr. 0745 to 0815 hr
SI 45 Range(Psi)	4000.0	4000.0	0.0	0.0	0.0	IS Fr. 0815 to 0900 hr
SF 45 Clock(hrs)	12 hr	12 hr	12 hr	12 hr		SF Fr. 0900 to 0945 hr
FS 45 Depth(ft)	3772.0	3772.0	3796.0	4028.0	0.0	FS Fr. 0945 to 1030 hr

	Field	1	2	3	4	
A. Init Hydro	1886.0	1889.0	0.0	0.0	0.0	T STARTED 0630 hr
B. First Flow	98.0	102.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	374.0	374.0	0.0	0.0	0.0	T OPEN 0745 hr
C. In Shut-in	1136.0	1144.0	0.0	0.0	0.0	T PULLED 1030 hr
D. Init Flow	433.0	428.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	689.0	683.0	0.0	0.0	0.0	
F. Fl Shut-in	1136.0	1144.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1756.0	1767.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I				Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 54000.00 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 3430.00 ft
						H.W. I.D 2.70 in
						H.W. Length 317.00 ft

RECOVERY

Tot Fluid 1892.00 ft of 0.00 ft in DC and 1575.00 ft in DP
 1892.00 ft of Slightly Oil Cut Water - 3% oil, 97% water
 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 .11 @ 80 F

SALINITY 42000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -

Strong, bottom of bucket in 4 min

Final Blow -

Strong, bottom of bucket in 5 min

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	41.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

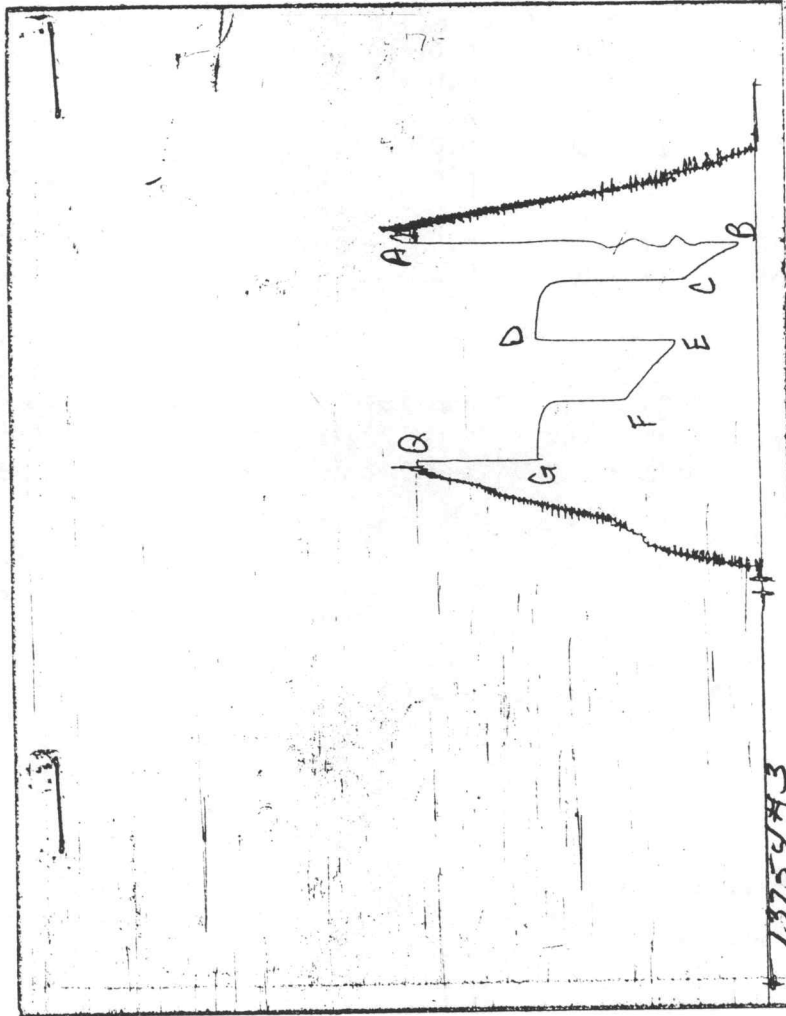
SAMPLES:

SENT TO:

Tester Dan Bangle
 Co. Rep. Arden Ratzlaff
 Contr. Abercrombie
 Rig # 8
 Unit #
 Pump T.

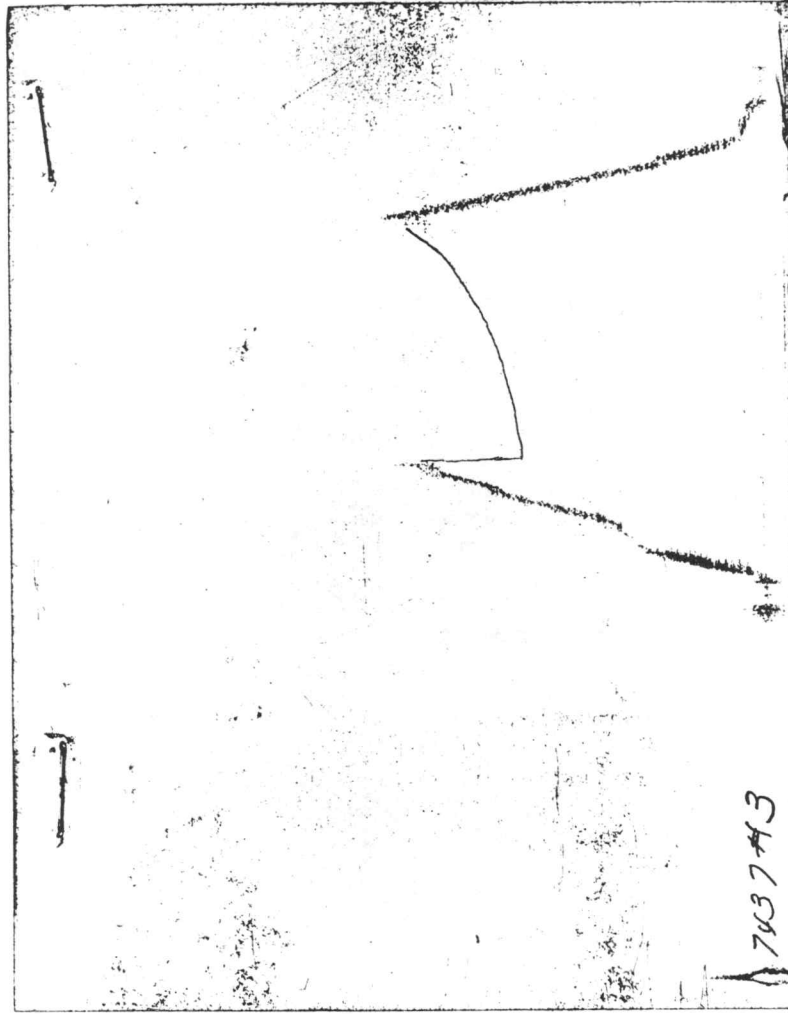
Test Successful: Y

CHART PAGE



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CHART PAGE



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CALCULATED RECOVERY ANALYSIS

DST # 3

TICKET # 8531

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL PIPE	1		0	3	0	97	0		0
	2		0		0		0		0
	3		0		0		0		0
	4		0		0		0		0
	5		0		0		0		0
	6		0		0		0		0
WEIGHT PIPE	1		0	3	9.51	97	307.49		0
	2		0		0		0		0
	3		0		0		0		0
	4		0		0		0		0
DRL COLLAR	1		0		0		0		0
	2		0		0		0		0
	3		0		0		0		0
	4		0		0		0		0
	5		0		0		0		0
TOTAL	317	0	0	3	9.51	97	307.49	0	0

HRS OPE BBL/DAY

BBL OIL= 0.06657 * 1.25 1.278144

BBL WATER= 2.15243 * 41.32666

BBL MUD= 0

BBL GAS = 0

