

15-151-22144

36-29S-12W

WELL NAME: Dudrey #4
COMPANY: Carl Dudrey
LOCATION: 36-29S-12W
Pratt County Kansas
DATE: 09/09/96

TRILOBITE TESTING L.L.C.

OPERATOR : Carl Dudrey

WELL NAME: Dudrey #4

LOCATION : 36-29S-12W, Pratt Cty KS

INTERVAL : 2611.00 To 2630.00 ft

DATE 09/08/96

KB 1851.00 ft

GR 1843.00 ft

TD 2630.00 ft

TICKET NO: 9514

DST #1

FORMATION: Red Eagle

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	13249			PF Fr. 0720 to 0750 hr
SI 30 Range(Psi)	4000.0	4000.0	4500.0	0.0	0.0	IS Fr. 0750 to 0820 hr
SF 30 Clock(hrs)	12	12	12			SF Fr. 0820 to 0850 hr
FS 45 Depth(ft)	2615.0	2615.0	2627.0	0.0	0.0	FS Fr. 0850 to 0935 hr

	Field	1	2	3	4	
A. Init Hydro	1246.0	1210.0	0.0	0.0	0.0	T STARTED 0615 hr
B. First Flow	78.0	66.0	0.0	0.0	0.0	T ON BOTM 0718 hr
B1. Final Flow	88.0	81.0	0.0	0.0	0.0	T OPEN 0720 hr
C. In Shut-in	167.0	169.0	0.0	0.0	0.0	T PULLED 0935 hr
D. Init Flow	127.0	116.0	0.0	0.0	0.0	T OUT 1040 hr
E. Final Flow	127.0	116.0	0.0	0.0	0.0	
F. Fl Shut-in	187.0	183.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1206.0	1198.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 32000.00 lbs
						Wt Pulled Loose 45000.00 lbs
						Initial Str Wt 32000.00 lbs
						Unseated Str Wt 32000.00 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 2592.00 ft

RECOVERY

Tot Fluid 80.00 ft of 0.00 ft in DC and 80.00 ft in DP
 80.00 ft of Muddy water - 80% water, 20% mud

RW .24 @ 60 F

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

BLOW DESCRIPTION

Initial Flow -
 Strong, bottom of bucket in 2 minutes,
 Gas to surface in 4 min

Final Flow -
 Strong, bottom of bucket in 1 minute

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	39.00 S/L
W.L.	13.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	101.00 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.	Doug McGinness
Contr.	Duke
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

DATE: 09/08/96

KB Elev: 1851.00 ft TICKET #9514 DST #1

GR Elev: 1843.00 ft FORMATION: Red Eagle

INTERVAL Fr.: 2611.00 To 2630.00 T.D.: 2630.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla

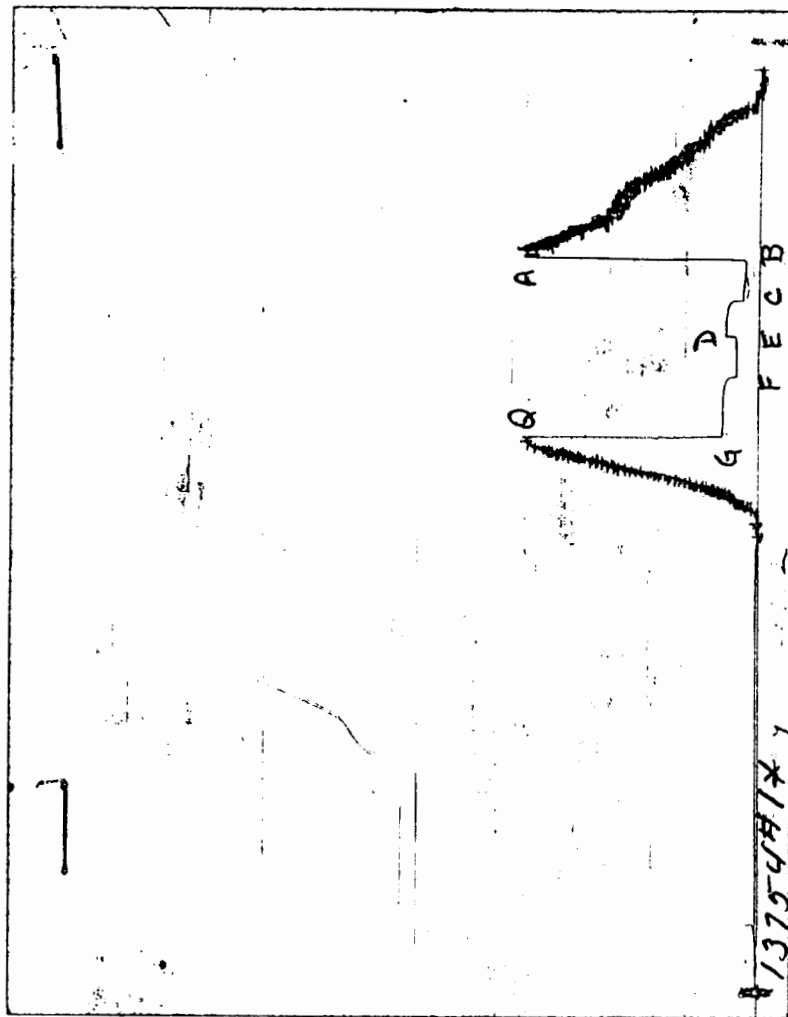
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.50	0	19	303000.0
20	1.50	0	26	355000.0
30	1.50	0	28	368000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.50	0	34	406000.0
20	1.50	0	34	406000.0
30	1.50	0	34	406000.0

CHART PAGE



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Dudrey #4

LOCATION : 36-29S-12W, Pratt Cty KS

TICKET No. 9514 D.S.T. No. 1 DATE 09/08/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 19

TOTAL TOOL 39

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 39

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands42 Single Total 2592

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2631

TOTAL DEPTH 2630

TOTAL DRILL PIPE ABOVE K.B. 1

REMARKS:

P.O. SUB	
C.O. SUB	2591
S.I. TOOL	2597
HMV	2602
JARS N/A	
SAFETY JOINT N/A	
PACKER	2606
PACKER	2611
DEPTH 2611	
STUBB	2612
ANCHOR	
perf	
AK-1 recorder	2615
perf	
T.C.	
DEPTH	
AK-1 recorder	2627
BULLNOSE 3' bull plug	
T.D.	2630

Well name Dudrey

DST # 1

Recorder # 13754

A		1210	
B		66	:
C		81	.
D		169	:
E		116	6
F		116	:
G		183	6
H		1198	6
			1
			1

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9514

Well Name & No. <u>Dudrey #4</u>	Test No. <u>1</u>	Date <u>9-8-96</u>
Company <u>Carl Dudrey</u>	Zone Tested <u>Red Eagle</u>	
Address <u>P.O. Box 65, St. John, Ks. 67576</u>	Elevation <u>1851</u> KB <u>1843</u> GL	
Co. Rep / Geo. <u>Doug McGinness</u>	Cont. <u>Duke #2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>36</u> Twp. <u>29</u> Rge. <u>12</u> Co. <u>Pratt</u> State <u>Ks.</u>		
No. of Copies <u>2</u> Distribution Sheet (Y, N) <u>N</u> Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>2611 - 2630</u>	Initial Str Wt./Lbs. <u>32,000</u>	Unseated Str Wt./Lbs. <u>34,000</u>
Anchor Length <u>19</u>	Wt. Set Lbs. <u>32,000</u>	Wt. Pulled Loose/Lbs. <u>45,000</u>
Top Packer Depth <u>2606</u>	Tool Weight <u>1000</u>	
Bottom Packer Depth <u>2611</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"	
Total Depth <u>2630</u>	Wt. Pipe Run <u> </u> Drill Collar Run <u> </u>	
Mud Wt. <u>8.8</u> LCM <u> </u> Vis. <u>39</u> WL <u>13.2</u>	Drill Pipe Size <u>4.5 XH</u> Ft. Run <u>2592</u>	
Blow Description <u>I.F. Strong - B.O.B in 2 min. GTS in 4 min. Gauged</u>		
<u>E.F. Strong - B.O.B in 1 min.</u>		

Recovery — Total Feet <u>80</u> GIP <u>GTS</u>	Ft. in DC <u> </u>	Ft. in DP <u>80</u>
Rec. <u>80</u> Feet Of <u>mdy wtr.</u>	%gas <u> </u> %oil <u> </u>	80 %water <u>20</u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>101</u> °F Gravity <u> </u> °API D@ <u> </u> °F Corrected Gravity <u> </u> °API		
RW <u>.24</u> @ <u>60</u> °F Chlorides <u>30,000</u> ppm Recovery Chlorides <u>7,000</u> ppm System		
(A) Initial Hydrostatic Mud <u>1246</u> PSI Recorder No. <u>13754</u> T-Started <u>06:15</u>		
(B) First Initial Flow Pressure <u>78</u> PSI (depth) <u>2615</u> T-Open <u>07:30</u>		
(C) First Final Flow Pressure <u>88</u> PSI Recorder No. <u>13249</u> T-Pulled <u>09:35</u>		
(D) Initial Shut-in Pressure <u>167</u> PSI (depth) <u>2627</u> T-Out <u>10:40</u>		
(E) Second Initial Flow Pressure <u>127</u> PSI Recorder No. <u> </u>		
(F) Second Final Flow Pressure <u>127</u> PSI (depth) <u> </u>		
(G) Final Shut-in Pressure <u>187</u> PSI Initial Opening <u>30</u> Test <u>600</u>		
(H) Final Hydrostatic Mud <u>1206</u> PSI Initial Shut-in <u>30</u> Jars <u> </u>		
Final Flow <u>30</u> Safety Joint <u> </u>		
Final Shut-in <u>45</u> Straddle <u> </u>		
<u>42 STDs</u> Circ. Sub <u> </u>		
Sampler <u> </u>		
Extra Packer <u> </u>		
Elect. Rec. <u> </u>		
Other <u> </u>		

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Our Representative

Doug McGinness
Don Bando

TOTAL PRICE \$ 600



GAS VOLUME REPORT

DST NO.

Remarks: GTS in 4 min. Gauged- Sample not Taken

TRILOBITE TESTING L.L.C.

OPERATOR : Carl Dudrey

DATE 09/09/96

WELL NAME: Dudrey #4

KB 1851.00 ft

TICKET NO: 9515 DST #2

LOCATION : 36-29S-12W, Pratt Cty KS

GR 1843.00 ft

FORMATION: Tarkin Sand

INTERVAL : 2945.00 To 2960.00 ft

TD 2960.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13754	13754	7437			PF Fr. 0430 to 0445 hr
SI 15 Range(Psi)	4000.0	4000.0	0.0	0.0	0.0	IS Fr. 0445 to 0500 hr
SF 15 Clock(hrs)	12	12	12			SF Fr. 0500 to 0515 hr
FS 15 Depth(ft)	2946.0	2946.0	2957.0	0.0	0.0	FS Fr. 0515 to 0530 hr

	Field	1	2	3	4	
A. Init Hydro	1436.0	1440.0	0.0	0.0	0.0	T STARTED 0345 hr
B. First Flow	9.0	6.0	0.0	0.0	0.0	T ON BOTM 0428 hr
B1. Final Flow	9.0	6.0	0.0	0.0	0.0	T OPEN 0430 hr
C. In Shut-in	29.0	35.0	0.0	0.0	0.0	T PULLED 0530 hr
D. Init Flow	9.0	11.0	0.0	0.0	0.0	T OUT 0640 hr
E. Final Flow	9.0	11.0	0.0	0.0	0.0	
F. Fl Shut-in	19.0	28.0	0.0	0.0	0.0	
G. Final Hydro	1386.0	1402.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	1000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	40000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	40000.00 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	2935.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
5.00 ft of Drilling mud

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

BLOW DESCRIPTION

Initial Flow -
Weak steady .125" blow

Final Flow -
Weak, building to .25"

MUD DATA-----

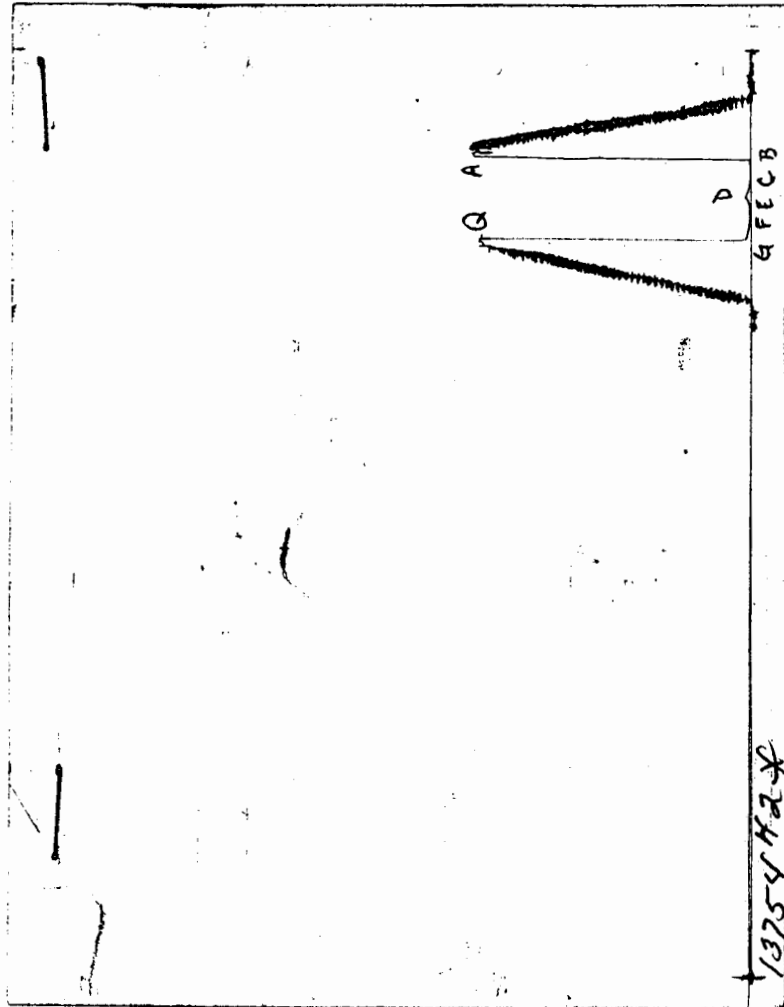
Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	39.00 S/L
W.L.	13.20 in3
F.C.	0.00 in
Mud Drop	

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	Dan Bangle
Co. Rep.	Doug McGinness
Contr.	Duke
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Dudrey #4

LOCATION : 36-29S-12W, Pratt Cty KS

TICKET No. 9515 D.S.T. No. 2 DATE 09/09/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 35

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 35

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands47 Single 1 Total 2935

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2970

TOTAL DEPTH 2960

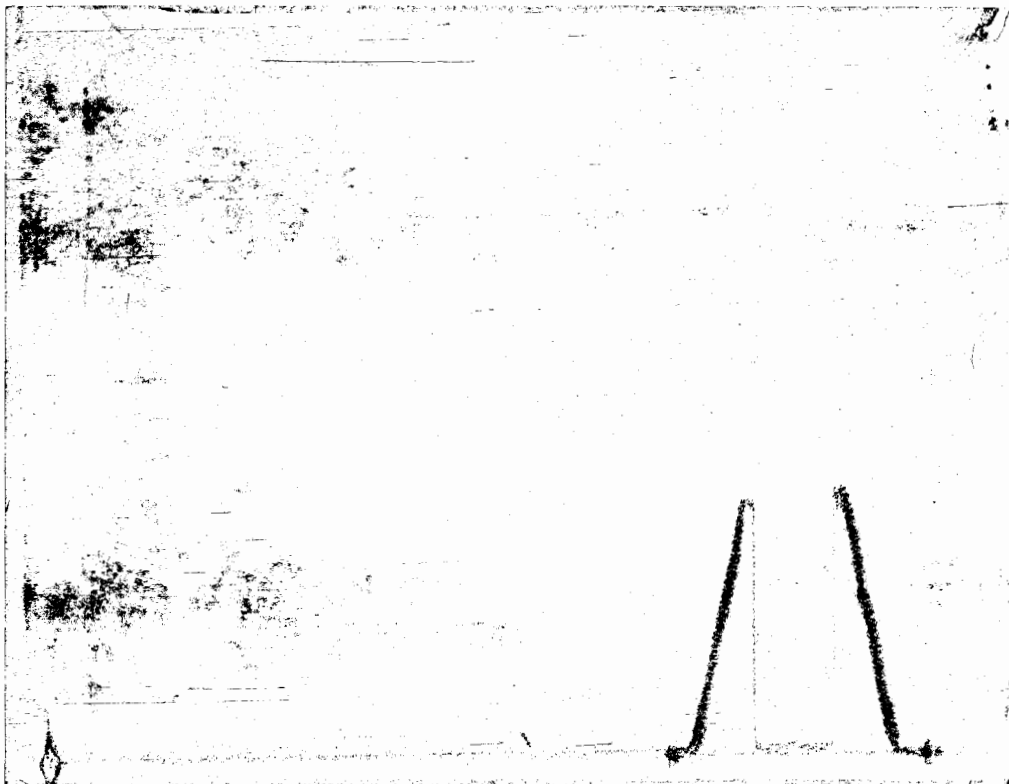
TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:

P.O. SUB	
C.O. SUB	2925
S.I. TOOL	2931
HMV	2936
JARS N/A	
SAFETY JOINT N/A	
PACKER	2940
PACKER	2945
DEPTH 2945	
STUBB	2946
ANCHOR	
AK-1 recorder	2946
perf	
T.C.	
DEPTH	
AK-1 recorder	2957
BULLNOSE 3' bull plug	
T.D.	2960

Well name Dudney
DST # 2
Recorder # 13754

A		1440	
B		10	
C		10	
D		35	
E		11	
F		11	
G		28	
H		1402	



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9515

Well Name & No.	<u>Dudney # 4</u>	Test No.	<u>2</u>	Date	<u>9-9-96</u>
Company	<u>Carl Dudney</u>	Zone Tested	<u>Tarkio Sand</u>		
Address		Elevation	<u>1851</u>	KB	<u>1843</u> GL
Co. Rep / Geo.	<u>Doug McGinness</u>	Cont.	<u>Duke #2</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>36</u>	Twp.	<u>29</u>	Rge.	<u>12</u> Co. <u>Pratt</u> State <u>Ks</u>
No. of Copies	<u>2</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>2945 - 2960</u>	Initial Str Wt./Lbs.	<u>40000</u>	Unseated Str Wt./Lbs.	<u>40000</u>
Anchor Length	<u>15</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>40000</u>
Top Packer Depth	<u>2940</u>	Tool Weight	<u>1000</u>		
Bottom Packer Depth	<u>2945</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>2960</u>	Wt. Pipe Run		Drill Collar Run	
Mud Wt. <u>8.8</u> LCM <u> </u> Vis. <u>39</u> WL <u>13.2</u>		Drill Pipe Size	<u>4.5 XH</u>	Ft. Run	<u>2935</u>
Blow Description	<u>I.F. Weak Steady 1/8" blow</u>				

F.F. Weak - building to 1/4"

Recovery — Total Feet	<u>5</u>	GIP		Ft. in DC		Ft. in DP	<u>5</u>
Rec. <u>5</u>	Feet Of	<u>D.M</u>		%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of			%gas	%oil	%water	%mud
BHT <u>98</u>	°F Gravity		°API D@		°F Corrected Gravity		°API
RW <u> </u>	@ <u> </u>	°F Chlorides		ppm Recovery	Chlorides <u>2000</u>	ppm System	
(A) Initial Hydrostatic Mud	<u>1436</u>	PSI	Recorder No.	<u>13754</u>	T-Started	<u>0345</u>	
(B) First Initial Flow Pressure	<u>9</u>	PSI	(depth)	<u>2946</u>	T-Open	<u>0430</u>	
(C) First Final Flow Pressure	<u>9</u>	PSI	Recorder No.	<u>7437</u>	T-Pulled	<u>0530</u>	
(D) Initial Shut-in Pressure	<u>29</u>	PSI	(depth)	<u>2957</u>	T-Out	<u>0640</u>	
(E) Second Initial Flow Pressure	<u>9</u>	PSI	Recorder No.				
(F) Second Final Flow Pressure	<u>9</u>	PSI	(depth)				
(G) Final Shut-in Pressure	<u>19</u>	PSI	Initial Opening	<u>15</u>	Test	<u>600</u>	
(H) Final Hydrostatic Mud	<u>1386</u>	PSI	Initial Shut-in	<u>15</u>	Jars		

Final Flow	<u>15</u>	Safety Joint	
Final Shut-in	<u>15</u>	Straddle	

47 + 1

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Approved By Doug McGinness
Our Representative Don Kangle

Sampler	
Extra Packer	
Elect. Rec.	
Other	
TOTAL PRICE \$	<u>600</u>

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