

RECEIVED
8-15-01
AUG 15 2001

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 119-21050-0000

County Meade

KCC WICHITA

W/2 - SW - SE - Sec. 15 Twp. 35S Rge. 30 X W

330 Feet from SX (circle one) Line of Section

2310 Feet from EX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Adams Ranch Well # 4-15

Field Name Wildcat

Producing Formation Toronto

Elevation: Ground 2377' KB 11'

Total Depth 4,500' PBDT

Amount of Surface Pipe Set and Cemented at 1,453 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set ---- Feet

If Alternate II completion, cement circulated from

feet depth to ----- w/ ----- sx cmt.

Drilling Fluid Management Plan Act 1 11/6/01 JB
(Data must be collected from the Reserve Pit)

Chloride content 7000 ppm Fluid volume 360 bbls

Dewatering method used evaporation, haul free wtr

Location of fluid disposal if hauled offsite:

Operator Name Nichols Water Service Inc.

Lease Name Nichols No. 2 SWD License No. 446682

Quarter ----- Sec. 30 Twp. 4N S Rng. 23 EW

County Beaver Co Okla Docket No. -----

Operator: License # 32426

Name: H & L Operating Co., L.L.P.

Address P. O. Box 7506

City/State/Zip Amarillo, TX 79114

Purchaser: Diamond Shamrock Ultramar

Operator Contact Person: Ronald P. Moon

Phone (806) 353-4331

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist: Paul F. Godowic

Designate Type of Completion

X New Well ----- Re-Entry ----- Workover

X Oil ----- SWD ----- SLOW ----- Temp. Abd.

----- Gas ----- ENHR ----- SIGW

----- Dry ----- Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: -----

Well Name: -----

Comp. Date ----- Old Total Depth -----

----- Deepening ----- Re-perf. ----- Conv. to Inj/SWD

----- Plug Back ----- PBDT

----- Commingled ----- Docket No. -----

----- Dual Completion ----- Docket No. -----

----- Other (SWD or Inj?) ----- Docket No. -----

06/05/01 06/13/01 06/14/01
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Ronald P. Moon

Title Partner Date 8/14/01

Subscribed and sworn to before me this 14th day of August

Notary Public VIRGINIA N. GILL
NOTARY PUBLIC,
STATE OF TEXAS 7-2002
My Commission Expires 12-7-2002

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

SIDE TWO

Operator Name H & L Operating Co., L.L.P. Lease Name Adams Ranch Well # 4-15

Sec. 15 Twp. 35S Rge. 30 East West
 County Meade

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name:	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Red Bed	1,383'	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Anhydrite	1,449'	
List All E.Logs Run:		Red Bed	2,110'	
		Shale	2,385'	
		Red Bed & Shale	2,640'	
		Shale and Lime	3,135'	
		Shale	4,500'	
		Rotary Total Depth	4,500'	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30"	20"	78.6#	85'	8 sack Grout	8 yds	2%cc
Surface	12-1/4"	8-5/8"	24#	1453'	65:35 Class 'A'	625 487	6%gel 3%cc 1/4# flo 2%gel 3%cc
Production	7-7/8"	5-1/2"	15.5#	4490'	Hal-Lite	135	6%Halad 10#gilson

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4262'-4266'	500 gal 15% Fe Acid	

TUBING RECORD	Size <u>2-7/8"</u>	Set At <u>4273'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SMD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
<u>8/3/01</u>						
Estimated Production Per 24 Hours	Oil	Bbla.	Gas Mcf	Water Bbla.	Gas-Oil Ratio	Gravity
		70.	20	0	286	50

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 4262'-4266'



Halliburton Energy Services, Inc.

ADAMS 4-18
ORIGINAL

Sales Order Number: 1349211

Sales Order Date: June 13, 2001

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
101216940	Chemical - Poly-E-Flake (25# bag) NO PART NUMBER PRIOR TO SAP	18	LB		2.71	48.78	13.66-	35.12
3965	HANDLE&DUMP SVC CHR.G. CMT&ADDITIVES,ZI 500-207 NUMBER OF EACH	173	CF		2.47	427.31	119.65-	307.66
76400	MILEAGE,CMTG MTL.S DEL/RET PER/TON MI.MIN 500-306 / MILEAGE,CMTG MTL.S DEL/RET PER/TON MI.MIN NUMBER OF TONS	117	MI		5.51	629.67	176.31-	453.36
	1.00	ton						
SALES ORDER AMOUNT						10,974.33	3,054.27-	7,920.06
Sales Tax - State								245.01
Sales Tax - County								13.46
Sales Tax - City/Loc								50.00
SALES ORDER TOTAL								8,228.53 US Dollars

Cre # 9611

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INVOICE INSTRUCTIONS:

Operator Name:
Customer Agent:

Halliburton Approval: X
Customer Signature: X

Johnny Elliott

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1349211	TICKET DATE 06/13/01
REGION NORTH AMERICA LAND		NMA / COUNTRY USA		SDA / STATE KS	COUNTY MEADE
INDU ID / EMP. # MCLIO103 106304		H.E.S. EMPLOYER NAME TYCE DAVIS ORIGINAL		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL KS		COMPANY H&L OPERATING		CUSTOMER REP / PHONE JOHNNIE ELLIOTT 806-435-8719	
TICKET AMOUNT \$8,228.53		WELL TYPE 02		APRNUM #	
WELL LOCATION LAND N FORGAN		DEPARTMENT CEMENT		SAP BOARD NUMBER 7523	Description Cement Production Casing
LEASE NAME ADAMS RANCH		Well No. 4-15	SEC / TWP / RNG 15-35S-30W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL KS	

HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Davis, T 106304	11.5			
Miller, A 126452	11.5			
Garza, C 194445	11.5			

HES UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10219237	60			
10243558-75818	60			

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	6/13/01	6/13/01	6/14/01	6/14/01
Time	1930	2230	0830	0930

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe FILL	1	HOWCO
Centralizers FM	15	HOWCO
Top Plug 5W	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp		
Weld-A	1	HOWCO
Guide Shoe REG	1	HOWCO
BTM PLUG		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	15.5	5 1/2		0	4,494	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Mud Type _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb _____
Prop. Type _____	Size _____	Lb _____
Acid Type _____	Gal. _____	% _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	in _____
NE Agent _____	Gal. _____	in _____
Fluid Loss _____	Gal/Lb _____	in _____
Gelling Agent _____	Gal/Lb _____	in _____
Fric. Red. _____	Gal/Lb _____	in _____
Breaker _____	Gal/Lb _____	in _____
Blocking Agent _____	Gal/Lb _____	
Perfpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

Date	Hours	Date	Hours
6/13		6/14	

CEMENT 5.5 L.S.
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 Used
 Overall
 SHOE JOINT

Stage	Sacks	Cement	Bulk/Sks	Additives	WRq.	Yield	Lbs/Gal
1	135	PREPLUS	BULK	10% GILSONITE, 1/8% POLYFLAKE, 6% HALAD-9	7.75	1.71	13.10

Circulating Breakdown _____ Displacement _____ Preflush: BBI _____ Type: _____
 _____ MAXIMUM _____ Load & Bkdn: Gal - BBI _____ Pad: Bbl - Gal _____
 Average Shut In: Instant _____ Frac. Gradient _____ Treatment: Gal - BBI _____ Disp: Bbl _____
 _____ 5 Min. _____ 15 Min. _____ Cement Slurry BBI _____ 41.0 _____
 _____ Total Volume BBI _____ 147.00 _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 Signature: *Johnny Elliott*
 SKRATURE

ORIGINAL

HALLIBURTON		JOB LOG		TICKET # 1349211	TICKET DATE 06/13/01
REGION NORTH AMERICA LAND		NWA / COUNTRY USA		SDA / STATE KS	COUNTY MEADE
WELL ID / EMPL # MCL10103 106304		H.E.S. EMPLOYEE NAME TYCE DAVIS		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL KS		COMPANY H&L OPERATING		CUSTOMER REP / PHONE JOHNNIE ELLIOTT 806-435-8719	
TICKET AMOUNT \$8,228.53		WELL TYPE 02		APUWWT #	
WELL LOCATION LAND N FORGAN		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME ADAMS RANCH		Well No. 4-15	SEC / TWP / RNG 15-35S-30W	HES FACILITY (CLOSEST TO WELL #) LIBERAL KS	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Davis, T 106304	12						
Miller, A 126452	12						
Garza, C 194445	12						

TIME	HRS	MIN	SEC	DESCRIPTION
1930				CALLED OUT FOR JOB
2230				ON LOC RIG L.D.D.PD
0100				OUT OF HOLE W/D.P.
0200				START CASING AND FE
0638				CASING ON BOTTOM HOOK UP PC AND CIRC IRON
0643				BRK CIRC W/RIG
0644				CIRC TO PIT
0833				THRU CIRC HOOK IRON TO PT
0837				PSI TEST LINES
0843	6.0	41.0	300	PUMP 135SX PREM PLUS AT 13.1#
0852				SHUT DOWN DROP PLUG AND WASH UP
0856	6.0	106.0	100	PUMP DISPLACEMENT
0910	6.0	106.0	320	86 BBLS IN LIFT CEMENT
0913	2.0	106.0	350	96 BBLS IN SLOW RATE
0918	2.0	106.0	500-1000	LAND PLUG
0919		106.0	1000-0	RELEASE FLOAT—HELD
0930				JOB OVER

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JUN 11 2001

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC WICHITA SERVICE POINT:
Med Lodge

DATE 6-6-01	SEC. 15	TWP. 35S	RANGE 30W	CALLED OUT 7:00 AM	ON LOCATION 12:00 PM	JOB START 6:15 AM	JOB FINISH 3:30 PM
LEASE Adams Ranch	WELL# 4-15	LOCATION Fargan Ok Quick Shop		COUNTY Meade	STATE KS		
OLD OR NEW (Circle one)			1/4 N 70 DE, 3W 1/2 N 1/2 E				

CONTRACTOR: H-40 Rig #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1450
 CASING SIZE 8 1/2 x 11 DEPTH 1450
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH 1707
 TOOL AFU Insert DEPTH 1707
 PRES. MAX 1200 MINIMUM 400
 MEAS. LINE SHOE JOINT 45
 CEMENT LEFT IN CSG:
 PERFS.
 DISPLACEMENT 89 1/2 BBLs Fresh #3

OWNER
 CEMENT
 AMOUNT ORDERED 125 SX 65-35-6 + 3% CC
 + 4" Flt-seal 150 SX class A 3% CC
 + 2% Gel 200 SX A 1/2 + 100 SX
 A 3% CC + 37 SX A Heat top off
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 @
 @
 @
 @
 @
 @
 HANDLING @
 MILEAGE @

EQUIPMENT
 PUMP TRUCK CEMENTER Justin Hart
 # 343 HELPER Mark Brungardt
 BULK TRUCK DRIVER Dwayne West
 # 355
 BULK TRUCK DRIVER Jason Tritt
 # 343

TOTAL

REMARKS:

Rise on bottom, Drop Fall, Break Circ
 Pump 125 SX 65-35-6 @ 6.8"
 50 SX A 1/2 @ 15.2" shut Down
 Release Plug Disp 89 1/2 BBLs Bump
 Plug Release Press Float Held Did Not
 Circulate cement Top off with 200
 SX A 1/2 100 SX A 3% CC 37 SX A
 Heat

SERVICE

DEPTH OF JOB 1450
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 PLUG 2 1/8 TRP @
 @
 @

TOTAL

CHARGE TO: H-40 Drlg.
 STREET
 CITY STATE ZIP

FLOAT EQUIPMENT

1- AFU Insert @
 1- Guide Shoe @
 3- Centralizers @
 @
 @

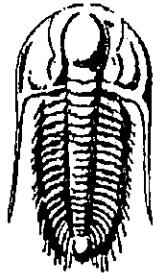
TOTAL

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX
 TOTAL CHARGE
 DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Mike [Signature]

PRINTED NAME



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **H&L Operating Co**

P.O. Box 7586
Amarillo TX 79114

ORIGINAL

ATTN: Paul Godowic

15-35s-30w

Adams Ranch 4-15

Start Date: 2001.06.10 @ 05:03:50

End Date: 2001.06.10 @ 14:55:18

Job Ticket #: 14206 DST #: 1

RECEIVED

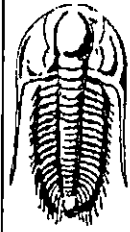
1 AUG 15 2001

KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2001.06.14 @ 09:31:05

H&L Operating Co Adams Ranch 4-15 15-35s-30w DST # 1 Council Grove 2001.06.10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&L Operating Co

Adams Ranch 4-15

P.O. Box 7586
Amarillo TX 79114

15-35s-30w

Job Ticket: 14206

DST#: 1

ATTN: Paul Godow ic

Test Start: 2001.06.10 @ 05:03:50

GENERAL INFORMATION:

Formation: **Council Groove**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:44:33

Time Test Ended: 14:55:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Jakki Kreklae

Unit No: 17

Interval: 2768.00 ft (KB) To 2797.00 ft (KB) (TVD)

Reference Elevations: 2377.00 ft (KB)

Total Depth: 2797.00 ft (KB) (TVD)

2366.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 3026

Press@RunDepth: 141.35 psig @ ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.06.10 End Date: 2001.06.10

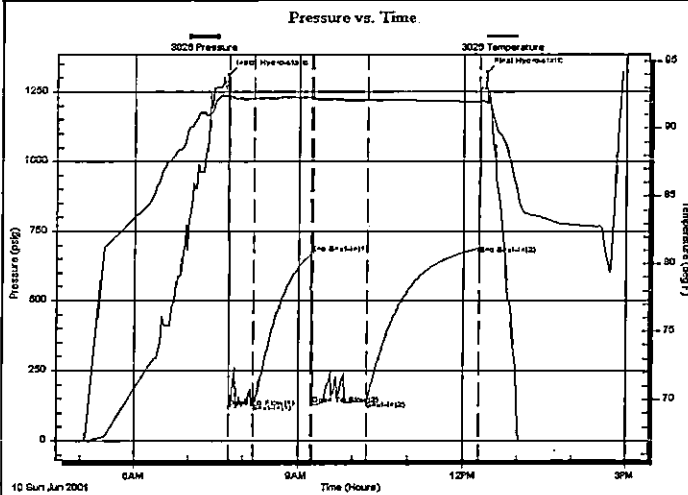
Last Calib.: 2001.01.11

Start Time: 05:03:50 End Time: 14:55:18

Time On Btm: 2001.06.10 @ 07:43:48

Time Off Btm: 2001.06.10 @ 12:24:33

TEST COMMENT: IF- strong blow built to 13 inches in 30 min
IS-no blow back
FF-strong blow built to 11 inches in 1 hr
FSI-no blow back



PRESSURE SUMMARY

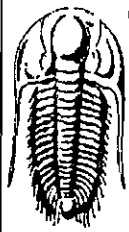
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1310.62	92.40	Initial Hydro-static
1	118.00	92.39	Open To Flow (1)
29	128.54	92.19	Shut-In(1)
91	667.81	92.27	End Shut-In(1)
92	126.31	92.26	Open To Flow (2)
151	141.35	92.05	Shut-In(2)
273	665.43	91.94	End Shut-In(2)
281	1319.38	91.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Mud	0.49
123.00	5% w ater 95% mud	0.60

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&L Operating Co

Adams Ranch 4-15

P.O. Box 7586
Amarillo TX 79114

15-35s-30w

Job Ticket: 14206

DST#: 1

ATTN: Paul Godow ic

Test Start: 2001.06.10 @ 05:03:50

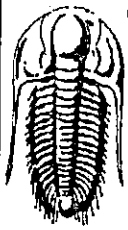
Tool Information

Drill Pipe:	Length: 2134.00 ft	Diameter: 3.80 inches	Volume: 29.93 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 617.00 ft	Diameter: 2.25 inches	Volume: 3.03 bbl	Weight to Pull Loose: 83000.00 lb
		Total Volume:	32.96 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	2768.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2739.00	
S.I. Tool	5.00			2744.00	
Sampler	3.00			2747.00	
HMV	5.00			2752.00	
Jars	5.00			2757.00	
Safety Joint	2.00			2759.00	
Packer	5.00			2764.00	30.00 Bottom Of Top Packer
Packer	4.00			2768.00	
Stubb	1.00			2769.00	
Perforations	1.00			2770.00	
Recorder	0.00	3027	Inside	2770.00	
Perforations	24.00			2794.00	
Recorder	0.00	13278	Outside	2794.00	
Bullnose	3.00			2797.00	29.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&L Operating Co

Adams Ranch 4-15

P.O. Box 7586
Amarillo TX 79114

15-35s-30w

Job Ticket: 14206

DST#: 1

ATTN: Paul Godowic

Test Start: 2001.06.10 @ 05:03:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

11000 ppm

Viscosity: 37.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.06 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
100.00	Mud	0.492
123.00	5% water 95% mud	0.605

Total Length: 223.00 ft Total Volume: 1.097 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .412 @ 95 deg Chlorides = 11000

