

[illegible]

JOB SUMMARY

Field Ticket # 3812559		Field Ticket Date 08-Jul-2005
NWA/ Country United States of America	Province/State New Mexico	County Rio Arriba
Employee # 00318719	Employee Name MENENDEZ ALVAREZ, ELIUD Waldemar	PSL Department L&P
Location Farmington, NM USA 4109E Main	Company ELM RIDGE RESOURCES INC	Customer Rep / Phone MONTY STRIEGEL /
Well Name JICARILLA APACHE B	Well Type Producing Well	Well Site Rep / Phone STRIEGEL, MONTY
Well # #9E	Department OH Logging Service	API/UWI # 300392772600
Well Location Lat: 36° 18' 0" North Long: -107° -22' -60" West	SEC / TWP / RNG 20 / 24N / 5W	Job Purpose Description OH FORMATION EVAL - OTHERS BOM

TEMPLES, WILLIAMS	00322694	9.75
MENENDEZ ALVAREZ, ELIUD Waldemar	00318719	9.75
DAVID, CURTIS	SOS	9.75
OVERTON, EDDIE	00318302	9.75

PICKUP-1 TON 10195692						152		
Max Service Depth 6999 ft	Casing Depth 375 ft	Casing Size 8.625 in	Weight 24 lbm/ft	Grade J-55	Tubing Depth N/A	Tubing Size N/A	Weight N/A	Grade N/A
Bit Size 7 7/8 in	Mud Weight & Resistivity @ 9.2 ppg		Mud Type & Chlorides (PPM) GEL-CHEM		Well Pressure 0 psi	Bottom Hole Temp 144 degF		
Job Type 10012: OH FORM EVAL- OTHERS	Drillers Depth 7004 ft		Well Direction @ TD			Deviation @ TD		
Maximum Deviation & Depth	Max Bend ° / 100'		Kickoff Depth		Measured Depth	TVD		
Date/Time Crew Notified 07/07/05 11:00:00	Date/Time Arrived Shop 07/08/05 00:30:00		Date/Time Leave Shop/Dock 07/08/05 01:45:00		Date/Time Arrive Location 07/08/05 03:45:00		Date/Time Requested on Loc. 07/08/05 04:00:00	
Date/Time Begin Waiting	Date/Time End Waiting		Date/Time Rig-Up 07/08/05 05:45:00		Date/Time Start Rig-Down 07/08/05 12:15:00		Date/Time Leave Location 07/08/05 13:30:00	
Date/Time Return Shop/Dock 07/08/05 15:45:00	Lost Time (Hrs) 0		Operating Time (Hrs) 6.5		Shop-to-Shop/Dock-to-Dock 14			
Number of Successful Services 4	Total Services Run 1		Date/Time Equipment Leave Shop 07/08/05 01:45:00			Date/Time Equipment Return Shop 07/08/05 15:45:00		

<u>Marine Stand By or Waiting</u>			<u>Marine Travel Time</u>		
HES Lift Boat	HES Truck	HES Crew	HES Lift Boat	HES Truck	HES Crew
# Cores Requested	# Cores Attempted	# Cores Recovered	# Pull-Offs	Max. Form Pressure	Max. Press. Hydrostatic
# of Sets	# Pressure Tests Req	# Fluid Samples	# Mud Sets	# Tight Tests	Pressures Taken
Type Carrier	Carrier Diameter	Assembly Name	Phasing	Gun Position	# of Select Fires
Holes/Foot	# of Carriers	# of Charge Failures	Plug/Packer Type	Gauge Ring Size	Set Tool Type
Set Tool Size	Junk Basket Size	Dump Bailer Size	Total Cem Height	Tubing Punch Sz	Jet/Chemical Cutter Size
Freepoint Depth			# of Shots		

Tool		Serial Number	Used & Failed	Used Acceptably	Not Used
PICKUP-1 TON 10195692		10195692		X	
D2TS - DOUBLE DITS TELEMETRY UNIT		D2TS-111510			X
D2TS - DOUBLE DITS TELEMETRY UNIT		D2TS-A087			X
D2TS - DOUBLE DITS TELEMETRY UNIT		D2TS-A113			X
D2TS - DOUBLE DITS TELEMETRY UNIT		D2TS-D2TSA097			X
DSNT-A - DUAL SPACED NEUTRON 3-5/8		DSNT-A-108716			X
DSNT-A - DUAL SPACED NEUTRON 3-5/8		DSNT-A-108721		X	
DSTU-A - DITS SUBSRFCE - TLMTRY UNT		DSTU-A-111537			X
DSTU-B - DITS SUBSRFCE - TLMTRY UNT		DSTU-B-109801		X	
INSTR ASSY,HRI		HRET-A229			X
HRI SONDE		HRS-AB025		X	
NGRT - NATURAL GAMMA RAY TOOL		NGRT-A070		X	
NGRT - NATURAL GAMMA RAY TOOL		NGRT-A140			X
NGRT - NATURAL GAMMA RAY TOOL		NGRT-A186			X
SOURCE ASSY-CS137-1.5CI-SDLT-D		RSA-2647GW			X
SOURCE & CAP ASSY-NEUTRON-0.5CURIE-AM-BE		RSA-CAL-17			X
SOURCE & CAP ASSY-NEUTRON-19CURIE-AM-BE		RSA-DSN-34			X
SDLT-D INSTRUMENT ASSEMBLY		SDLT-CI-112380		X	

HALLIBURTON

SDLT-D INSTRUMENT ASSEMBLY	SDLT-CI--A057			X
SDLT-C MANDREL ASSEMBLY	SDLT-CM-SDLT-C018-P			X
SDLT-CP PAD ASSEMBLY SDLT-CP	SDLT-CP-SDLT-C018-M			X
SDLT-D - SPECTRAL DENSITY LOGGING TOOL	SDLT-D-A057			X
XL2K-C SHOP SYSTEM CH NEW BUILD	XL2K-C-10549595		X	
	Engineer # 1	Employee #	%	
	MENENDEZ ALVAREZ, ELIUD	00318719		
	Waldemar			
	Winchman	Employee #		

THE INFORMATION STATED HEREIN IS CORRECT

Well Site Customer Rep Signature

Signature



HALLIBURTON

JOB LOG			Field Ticket #	Field Ticket Date
NWA/ Country	Province/State	County	3812559	08-Jul-2005
United States of America	New Mexico	Rio Arriba		
Employee #	Employee Name	PSL Department		
00318719	MENENDEZ ALVAREZ, ELIUD Waldemar	L&P		
Location	Company	Customer Rep / Phone		
Farmington, NM USA 4109E Main	ELM RIDGE RESOURCES INC	MONTY STRIEGEL /		
Well Name	Well Type	Well Site Rep / Phone		
JICARILLA APACHE B	Producing Well	STRIEGEL, MONTY		
Well #	Department	API/UWI #		
#9E	OH Logging Service	300392772600		
Well Location	SEC / TWP / RNG	Job Purpose Description		
Lat: 36° 18' 0" North Long: -107° -22' -60" West	20 / 24N / 5W	OH FORMATION EVAL - OTHERS BOM		

HES Employees Name	Employees #	Hours of Exposure
TEMPLES, WILLIAMS	00322694	9.75
MENENDEZ ALVAREZ, ELIUD Waldemar	00318719	9.75
DAVID, CURTIS	SOS	9.75
OVERTON, EDDIE	00318302	9.75

Proposed Start Date	Proposed Start Time	Crew Notification Date	Crew Notification Time	Crew Arrive At Shop Date	Crew Arrive At Shop Time
7/8/2005	00:00	7/7/2005	11:00	7/8/2005	00:30
Crew Leave At Shop Date	Crew Leave At Shop Time	Crew Arrive At Location Date	Crew Arrive At Location Time	Crew Required At Loc. Date	Crew Required At Loc. Time
7/8/2005	01:45	7/8/2005	03:45	7/8/2005	04:00
Crew Begin Wait Date	Crew Begin Wait Time	Crew End Wait Date	Crew End Wait Time	First Rig-Up Date	First Rig-Up Time
				7/8/2005	05:45
Last Rig-Down	Last Rig-Down Time	Crew Leave Location Date	Crew Leave Location Time	Shop To Shop Time	Total Operating Time
7/8/2005	12:15	7/8/2005	13:30	14	6.5

Job Details

Event Description	Event Date	Event Time	Remarks
Crew Notified Date/Time	7/7/2005	11:00	
Crew Arrive Shop	7/8/2005	00:30	CREW ARRIVE SHOP
Crew Leave Shop	7/8/2005	01:45	
Equipment Leave Shop	7/8/2005	01:45	EQUIPMENT LEAVE SHOP
Arrive At Loc	7/8/2005	03:45	
Start Job	7/8/2005	05:15	DK-III
Rig-Up Date/Time	7/8/2005	05:45	TRIPLE COMBO
Log Trip Start	7/8/2005	06:45	TRIPLE COMBO- Template
Time On Top	7/8/2005	06:45	TRIPLE COMBO- Template
Time On Bottom	7/8/2005	08:15	
Log Trip End	7/8/2005	11:30	TRIPLE COMBO- Template
Rig-Down Date/Time	7/8/2005	12:15	TRIPLE COMBO
End Job	7/8/2005	13:15	DK-III
Crew Leave Location	7/8/2005	13:30	
Crew Return Shop	7/8/2005	15:45	CREW RETURN SHOP
Equipment Return Shop	7/8/2005	15:45	EQUIPMENT RETURN SHOP



HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 4416420	TICKET DATE 05/29/06
REGION NORTH AMERICA LAND		NNA / COUNTRY WESTERN REGION		BDA / STATE NM	COUNTY RIO ARriba
NBU ID / EMPL # FA 0510 122011		EMPLOYEE NAME ALONZO McINTYRE		PSL DEPARTMENT P.E. / N2	
LOCATION FARMINGTON, NM		COMPANY ELM RIDGE RESOURCES		CUSTOMER REP / PHONE JOHNNY ANGEL	
TICKET AMOUNT N/A		WELL TYPE 02		APIUM #	
WELL LOCATION COUNSELORS		DEPARTMENT Fracturing Services / 1008710016		SAP BOMB NUMBER 565	Description N2 FOAM FRAC
LEASE NAME JICARILLA APACHE B	Well No. 9E	SEC / TWP / RNG 20,24N,5W			

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)		HRS	HRS		HRS		HRS
ALONZO McINTYRE	122011		F KETCHUM	336342		L HENRY	317030
FREDDY RIVERA	122281		D BILLIE	345685		H NARGO	333892
BENJAMIN KAYE	194283		ANDY TICKELL	369053		C NARGO	
ROGER KOONTZ	192121		BOB BASSETT	212170		T COLLINS	121605

H.E.S. UNIT #S/(R/T MILES)	R/T MILES				R/T MILES		R/T MILES
10195691	144	10421113-10010726	144	10011687-10026013	144	10026633-10026024	144
10741327-10026097	144	10205547-10304887	144	10243543-10011678	144		144
10011919	144	10205545-10295759	144	10026870-10304886	144		144
10741323-10011576	144	10243549-10026025	144	10702849	144		144

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

	Called Out	On Location	Job Started	Job Completed
Date	5/29/2006	5/29/2006	5/29/2006	5/29/2006
Time	0200	0600	1057	1309

Tools and Accessories		
Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Packer		
DV Tool		
Insert Float		
Guide Shoe		
Other		

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	USED	10.5	4 1/2		ZERO	6,992	4,400
Casing							
Liner							
Tubing							
Drill Pipe							
Open Hole							SHOTS
Perforations					6,582	6,630	193
Perforations							
Perforations							

Materials			
Bactericide		Lbs.	
Disp. Fluid		Density	
Prop. Type	Size	Lb	
Prop. Type	Size	Lb	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
Foamer	Gal.	In	
Sandwedge	Gal	In	
Gelling Agent	Gal.	In	
Crosslinker	Gal.	In	
Breaker	Lb	In	
Breaker		Lb	
Perfpac Balls		Qty.	
Other	N2-3,400,000 SCF. W/COOLDOWN		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/29	8.0	5/29	4.0	N2 FOAM FRAC
Total	8.0	Total	4.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet	Cement Left in Pipe Reason	

[illegible]

Summary			
Circulating Breakdown	Displacement	Cool Down	SCF
	Maximum		
Cmt Rtn#Bbl	Actual TOC		
Average	Frac. Gradient	Treatment	SCF
Shut In: Instant	5 Min.	15 Min.	
	10 Min.	30 Min.	
		Total Volume	SCF

TICKET #		TICKET DATE	
4416420		05/29/06	
BDA / STATE		COUNTY	STATE
NM		RIO ARRIBA	NM
PSL DEPARTMENT			
P.E./N2			
CUSTOMER REP / PHONE			
JOHNNY ANGEL			
APUWV #			
JOB PURPOSE CODE			
N2 FOAM FRAC			

[illegible]

JOB SUMMARY

HALLIBURTON		JOB SUMMARY		SALES ORDER #	38165	TICKET DATE	07/09/05
REGION North America		COUNTRY Rockies		BDA / STATE	COUNTRY NM		
MBU ID / EMPL # FA0206 121486		H.E.S. EMPLOYEE NAME Dan Auld		PSL DEPARTMENT Cement			
LOCATION Farmington NM		COMPANY Elmridge		CUSTOMER REP / PHONE Monte Striegel 320-9507			
TICKET AMOUNT		WELL TYPE 02		API/UWI # 30-039-27726			
WELL LOCATION Counslors		DEPARTMENT Cement		SAP BOMB NUMBER	Description 4 1/2 2 Stage		
LEASE Jicarilla Apache B	WELL # 9 E	SEC / TWP / RNG 20-24N-5W					

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Dan Auld 121486		Sue James		
C Padilla 201426				
S Romero 340318				
D Dobbs 122012				

H.E.S. UNIT #S (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10286392		10243548-10025039			
10251407					
10243553-10025040					
10026668-10025081					

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

Date	7/9/2005	7/9/2005	7/9/2005	7/9/2005
Time	0300	0800	0938	2130

Tools and Accessories		
Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Limit Clamp		
DV Tool		
Insert Float		
Guide Shoe		
Weld-A		

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		10.5	4 1/2		0	6,994	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8		374	7,000	Shots/Ft.
Perforations							
Perforations							
DV Tool							

Materials		Density	Lb/Gal
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			
Other			

<u>Hours On Location</u>		<u>Operating Hours</u>		<u>Description of Job</u>
Date	Hours	Date	Hours	
7/9		7/9		SEE JOB LOG
Total		Total		

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet	Cement Left in Pipe Reason	

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1st	1135	50/50/Std/Poz	B	2% Gel - .6% Halad 9 - 1/4# Flocele - .1% CFE 3 - 5# Gilsonite - .1% HR 5	5.25	1.32	13.5
2nd	1390	65/35/Std/Poz	B	6% Gel - 5# Gilsonite - 1/4# Flocele	9.61	1.92	12.4
			B				
			B				
			B				

Summary			
Circulating	Displacement	Preflush:	BBL
Breakdown	Maximum	Load & Bkdn:	Gal - BBl
Lost Returns	Lost Returns	Excess /Return	Gal BBl
Cmt Rtrn#Bbl	Actual TOC	Calc. TOC:	Actual Disp.
Average	Frac. Gradient	Treatment:	Gal - BBl
Shut in: Instant	5 Min.	Cement Slurry:	Gal - BBl
	15 Min.	Total Volume	Gal - BBl

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER REPRESENTATIVE <u> X </u>			

07/09/05

REGION North America		N. COUNTRY Rockies		BDA / S NM		COUNTY Rio Arriba	
MBU ID / EMPL # FA0206 121486		H.E.S EMPLOYEE NAME Dan Auld		PSL DEPARTMENT Cement			
LOCATION Farmington NM		COMPANY Elmridge		CUSTOMER REP / PHONE Monte Striegel 320-9507			
TICKET AMOUNT		WELL TYPE 02		API/UWI # 30-039-27726			
WELL LOCATION Counslors		DEPARTMENT Cement		JOB PURPOSE CODE 4 1/2 2 Stage			
LEASE / WELL # Jicarilla Apache B		Well No. 9 E		SEC / TWP / RNG 20-24N-5W			

Job Summary

Sales Order #: 4416417

AFE #:

WO #:

PO #: NA

Crew: Core B

Requested Job Start Date: 5/29/2006 8:00:00 AM

Customer: ELM RIDGE RESOURCES INC

Field:

Job Type:

Production Enhancement

UWI / API Number: 30-039-27726

County/Parish: Rio Arriba

Service Supervisor: Aaron Begay

Well Name: Jicarilla Apache B

State: New Mexico

Well No: #9E

Latitude: 36.3

Stage / Zone: 1

Longitude: -107.3833333

Cust Rep Name: Terry Linderman

Formation:

Sect / Twn / Rng: 20 / 24 N / 5 W

Cust Rep Phone #:

Wellbore and Formation Related Information

Type	Name	Linear Weight (lbm/ft)	Pipe Grade	Thread	ID (in)	Top MD (ft)	Bottom MD (ft)	Top TVD (ft)	Bottom TVD (ft)	Shot Density (spf)
Production Casing	4 1/2" Production Casing	10.5	J-55		4.052	0	6992			
Perforations	Dakota Perfs					6582	6630	0	0	4

Materials Totals

Material Type	Material Name	Designed Quantity	Delivered Quantity	Returned Quantity	Used Quantity	UOM	Variance Designed /Used
Foamer	AQF-2	10	0	0	0	Gal	-100
Surfactant	AQF-2	157	351	165	186	Gal	18
Buffer	BA-40L	4	55	31	24	Gal	500
Crosslinker	BC-200	39	317	230	87	Gal	123
Biocide	BE-6	0	12	0	12	lbm	2900
Catalyst	CAT-3	39	54	54	0	Gal	-100
Crosslinker	CL-31	82	92	51	41	Gal	-50
FDP Additive	Expedite 225 Component A	92	318	212	106	Gal	15
FDP Additive	Expedite 225 Component B	78	232	127	105	Gal	35
Breaker	GBW-30	0	0	0	0	lbm	-100
Gelling Agent	LGC-36	210	952	727	225	Gal	7
Surfactant	LoSurf-300M	1	0	0	0	Gal	-100
Breaker	Optiflo-III	39	150	50	100	lbm	156
Proppant	Premium Brown-20/40	169000	169840	0	169840	lbm	0
Breaker	SP Breaker	60	70	30	40	lbm	-33

Dates & Times

Called Out:		On Location:	
Job Started:		Job Completed:	

Summary

Pressures

Average	4055.	(psig)
Maximum	4318.	(psig)
Frac Gradient	.76	(psig/ft)
ISIP	3495.	(psig)
5 Min	3300.	(psig)
10 Min	3287.	(psig)
15 Min	3279.	(psig)

Rates

Average Treatment Rate	31.8	(bbl/min)
Max. Treatment Rate	54.3	(bbl/min)

Gas

Gas Type	N2
Gas Vol N2 Pumped	3018.2 (Mscf)

Volume

Fluid Type	Crosslinked Foam System
Displacement Volume	2234. (Gal)
Pad Volume	17951. (Gal)
Total Volume	156301. (Gal)
Total Crosslinked	46187. (Gal)
Total Liquid Load To Recover	1099.7 (bbl)

Job Summary

Crew: Core B
Requested Job Start Date: 5/29/2006 8:00:00 AM

Sales Order #: 4416417
AFE #:
WO #:
PO #: NA

Proppant		
Total Proppant Pumped	169445.	(lbm)
Proppant In Formation	168581.	(lbm)
Proppant In Wellbore	864.	(lbm/gal)
Average Conc.	1.5	(lbm/gal)
Max. Conc.	4.9	(lbm/gal)

Misc		
HHP Ordered	2000.	(hp)
HHP Available	3000.	(hp)
HHP Used	1091.	(hp)
Screen Out	N	
Ball Out	N	

Remarks: