

REGION North America	NW/ACC PERMIAN BASIN	BDA / STATE NM	COUNTY LEA
MBU ID / EMP # 40 0108 83558	EMPLOYEE NAME LEARY	PSL DEPARTMENT 21	
LOCATION HOBBS, NM	COMPANY OCEAN ENERGY RES.	CUSTOMER REP / PHONE JOHN STINSON	
TICKET AMOUNT	WELL TYPE 01	API / UWI #	
WELL LOCATION E. TATUM	DEPARTMENT CMT	JOB PURPOSE CODE 015	
LEASE / WELL # MAZAMA ST. #1	SEC / TWP / RNG		

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
LEARY 83558			
CLAYTON			
OLIVAS			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421548	60						

Form Name	Type:	
Form Thickness	From To	
Packer Type	Set At	
Bottom Hole Temp.	Pressure	
Misc. Data	Total Depth	
TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		
MATERIALS		
Treat Fluid	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	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED	
		9-25-98	9-25-98	9-26-98	9-26-98	
		1720	2000	0745	0947	
WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	NEW	33#	8 5/8"	KB	4380'	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			11"	KB	4368'	SHOTS/FT.
Perforations						
Perforations						
Perforations						
HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB		
DATE	HOURS	DATE	HOURS			
9-25	4.0	9-25	2.0			
9-26	5.0	9-26	2.0	CMT 8 5/8"		
				INTER.		
TOTAL		TOTAL				
HYDRAULIC HORSEPOWER						
ORDERED		Avail.		Used		
TREATED		AVERAGE RATES IN BPM		Overall		
FEET		CEMENT LEFT IN PIPE		Reason		
41,841		55				

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	800	IFC	B	NEAT	2.4	145
	200	P+	P	100% PACER	1.32	148
ILLEGIBLE						
Circulating Breakdown Average Shut In: Instant Displacement Maximum Frac Gradient 5 Min 15 Min Preflush: Gal - BBI Load & Bkdn: Gal - BBI Treatment Gal - BBI Cement Slurr Total Volume Gal - BBI Type Pad: BBI - Gal Disp: BBI - Gal						
Frac Ring #1		Frac Ring #2		Frac Ring #3		Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT				CUSTOMER'S REPRESENTATIVE SIGNATURE		

TICKET # 427-1	TICKET DATE 9-19-98
BDA / STATE PERMIAN BASIN AREA	COUNTY
PSL DEPARTMENT 5001	
CUSTOMER REP / PHONE JOHN STINSON #1	
API / UWI #	
JOB PURPOSE CODE NO CEMENT SURFACE Casing	

REGION North America	NWA/COUNTRY PERMIAN BASIN AREA
MBU ID / EMP # H00104	EMPLOYEE NAME Jim Bob
LOCATION H0005, NM	COMPANY OCEAN ENERGY RESOURCE
TICKET AMOUNT	WELL TYPE 01
WELL LOCATION E. TATUM	DEPARTMENT CEMENT
LEASE / WELL # MAZAH #1 #1	SEC / TWP / RNG

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
J. Bob 2223	Richard McKinney		
G. Vaughn 22536			
E. Buckhalter H00081			
M. Rudolph 25492			

ILLEGIBLE

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421551 24 60							
53320-7843 PT 60							
52580 0A 60							
11774-95036 60							

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

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar insert	3	Howco
Float Shoe		
Guide Shoe	1	Howco
Centralizers	4	"
Bottom Plug		
Top Plug Wooden 13 3/8	1	Howco
Head 13 3/8	1	"
Packer		
Other Baffle	1	"

MATERIALS		
Treat Fluid	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	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-19-98	0700	9-19-98	1100	

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	48	13 3/8	0	404.30	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			17 1/2	400		SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB	
DATE	HOURS	DATE	HOURS		
9-19	7	9-19	1	13 3/8 Surface	
TOTAL	7	TOTAL	1		

HYDRAULIC HORSEPOWER
 ORDERED _____ Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM
 Dis. _____ Overall _____
 CEMENT LEFT IN PIPE
 FEET **38.00** Reason **Shore Joint**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	430	Permpac Plus	2 1/2 Gal/Lb		1.24	145

Circulating _____ Displacement _____ Preflush: Gal - **BB1** **20** Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - **BB1** Pad: **BB1** - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - **BB1** Dis: **BB1** - Gal **5.5**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - **BB1** **10**
 Total Volume Gal - **BB1** **173.5**

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE _____

REGION North America	NW/AL TRY Permian Basin Area	BDA / STATE Hills, NM	COUNTY
MBU ID / EMP # H0015	EMPLOYEE NAME Jim B. B.	PSL DEPARTMENT 5001	
LOCATION Hills, NM	COMPANY Ocean Energy Resource	CUSTOMER REP / PHONE KIM STINSON	
TICKET AMOUNT	WELL TYPE 41	API / UWI #	
WELL LOCATION 11422014 State #1	DEPARTMENT Client	JOB PURPOSE CODE Old Cement SURETEC Casing	
LEASE / WELL # Hillman State #1	SEC / TWP / RNG		

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
G. Vaughn J2536			
T. Bob B9323			
E. Buckhalter H66081			
M. Rudolph J5492			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T C	PRESS. (psi) Tbg Csg	JOB DESCRIPTION / REMARKS
	1100					Time on Location
	1655					Safety Meeting
	1700	6	1	2	94	H ₂ O Ahead
	1706	6	10	2	120	
	1710	7	18	2	210	Mix 430 SKs P plus 2% CC
	1715	7	50	2	220	14.8 1.32 6.30
	1720	7	910	2	230	
	1723	7	101		240	
	1725					Drop plug
	1730	6	20	2	130	Displace with H ₂ O
	1735	6	40	2	160	
	1738	3	47	1	140	Slow Down
	1741	3	52.5	1	340	Land Plug
						Circulated 140 SKs to pit

ILLEGIBLE

Davis Fluid Calipers, Inc.

P. O. BOX 1033 PHONE (505) 393-7463
HOBBS, NEW MEXICO 88240

WORK ORDER
NO 5432

OCEAN

DATE 9/25/98

RIG Norton #8

LEASE MAZAMA State #1

CUST. ORDER NO. David Rice

COUNTY Lea

STATE N.M.

QUANTITY	DESCRIPTION	AMOUNT
	TO RUN THE DAVIS FLUID CALIPER TO DETERMINE IN CUBIC FEET THE TOTAL	
	ANNULAR VOLUME BEHIND 8 7/8" CASING	
	IN A 11" HOLE TO THE DEPTH OF 4300' FEET	
	TOTAL ANNULAR VOLUME OF THE 1st STAGE 1907 CUBIC FEET	
	TOTAL ANNULAR VOLUME OF THE 2nd STAGE CUBIC FEET	
	PUMP DATA: MAKE & MODEL GD P2-B	
	LINER SIZE 6XB S.P.M. 98 C.F.M. 34 35	
	PUMP EFFICIENCY 92% P.S.I. ON STAND PIPE 1200	
	WASH-OUT 81%	
	BASE CHARGE	595 00
	DEPTH CHARGE 1st STAGE	
	DEPTH CHARGE 2nd STAGE	
	MILEAGE CHARGE	

RECEIVED BY

THANKS
Mike Darr

SUBTOTAL

6% TAX

TOTAL

35 70

630 70



| TICKET DATE

ORDER NO. 70006

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
		ILLEGIBLE					

[illegible]

CAMERON

ILLEGIBLE

FIELD SERVICE ORDER NO.

49938

FIELD SERVICE ORDER

CAM-2303-D

SALES ORDER NO.		PURCHASE ORDER NO./CONTRACT NO.		P.O. DATE		BILL TO		SOLD TO		SHIP TO	
ORDERED BY		RIG NAME		FED. WAT.		FREIGHT		VIA		LOCATION	
		Norton Dr 19 8								29	
WELL REFERENCE/ OCS. NO.				BILL OF LADING		CARRIER					
MAZAPIC #1											
BILL TO		SOLD TO		SHIP TO							
Ocean Energy		Same		15 E. Tatum							
				COUNTY				STATE			
				Lea				NM			
WELL HEAD		SIZE		MAKE		S/M		W.P.			
VALVE		SIZES		MODEL		TRIM		S/N		W.P.	
WORK PERFORMED											

WORK PERFORMED

ARRIVED ON LOC finished cementing Pickup B.O.P.
TRY to Break Flange from LARKIN Head had to cut off.
Set 12x8³/₄ LARKIN Fig 92 slip.

[illegible]

F.O.B. MANUFACTURING PLANT

084 Hobbs

LABOR

FROM: HR & DATE

TO: HR & DATE

MEALS

NO.	HOURS
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	RATE
100%	100%
90%	90%
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70%	70%
60%	60%
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30%	30%
20%	20%
10%	10%
0%	0%

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@ 1.00 PER MILE

CAMERON REPRESENTATIVE

CIC? STICKS IF
CUSTOMER RECEIVING REPRESENTATIVE

DATE _____

7

FREIGHT OR MISCELLANEOUS**TOTAL CHARGES**

THIS ORDER SUBJECT TO SELLER'S TERMS AND CONDITIONS OF SALE ON REVERSE SIDE