Tł	HE ROAL	<b>J</b> . J	EXCEL	LENCE	STAR	TS .VIT	H SAI	FETY	
COMPANY	V.F. Petrol			C	ATE	-	01/25/200		
COMPANY REP.	Peterson 30				O. REP. OWN/ST/		Artesia		NM
CONTRACTOR LEASE	Man Eater 30	) Fee. Co	mm	V	VELL NO.		# 1 Eddy		
API NO.	20				OUNTY	-	Eudy	· · · · · · · · · · · · · · · · · · ·	
R/T MILEAGE		1999 P. L.			COME TO COMPANY STATE	-	es to CG		private
West of Artesia ap	prox. 2 miles	to Gissie	r Road ( at $CC 3/10$ mi	ross nom a le thru draw	-siav nor	πουι οι αιαί			
property, no tresp main travelled roa	d to Y, take ri	ght fork 1	.8 miles to	CG, thru C	G-road tu	rns right- g	o 6/10 mi	along fence	e line to
CG, right to rig									and the second second
IUBULAK INFOR	SIZE	re octranica	WEIGHT	an a	THREAD	(1999) E BACKIN I JAN OBLIVING - 19	GRADE		
CASING TUBING		-		—				-	
HOLE	; 7 7/8	WĖ	THE MOULE IN COMPANY AND ADDRESS OF ADDRESS			ISP FLUID:			NOR OF STREET
JOB TYPE AND E CONE		SURF		INTER		LONG SG	XX	_SQUEEZE	
LINEF	i	PTA		PLG BCK	BHCT	OTHER	BHS		
TOP PLUG PLUG CONTAINE		MADGE	OM PLUG	TD_	8.1	190	OTHER		
EQUIPMENT TYPE	<u>2 RCM (1 m</u>	<u>ix- 1 std-</u>	<u>by)/ Bulk /_</u>	Bin-PRESSL	JRIZER /	transport		ana an	
FIRST STAGE	SVUKS	400	TYPE	Super H					
FIRST STAGE	ADDITIVES 5	/10% Ha	lad-344, 4	/10% CFR-	3, 5 lb/sk 1.66	Gilsonite WATER	<u>1 lb/sk</u> 8.2	<u>Salt</u> GAL/SK	·
	MIXED AT	13	<u>LBS/GAL</u> TYPE	YIELD					
	SACKS								
	MIXED AT		LBS/GAL	YIELD		WATER		_GAL/SK	
SECOND STAGE	SACKS_	935		Interfill C					
	ADDITIVES 1 MIXED AT	<u>11.5</u>	LBS/GAL	YIELD	2.77	WATER	16.58	GAL/SK	•
	SACKS	100	TYPE	Premium					
	ADDITIVES n MIXED AT	<u>leat</u> 15.6	LBS/GAL	YIELD	1.18	WATER	5.2	GAL/SK	<u> </u>
				Premium		=======================================	<u> </u>		
Top out job after 2nd stage	SACKS	<u>150</u> % Calcii	um Chlori	de <u>, 12% Ca</u>	l Seal				
alter zha stage	MIXED AT	14.6	LBS/GAL	YIELD_	1.53	WATER	7.26	GAL/SK	
	SACKS_ ADDITIVES		. TYPE						
	MIXED AT		LBS/GAL	YIELD		WATER		GAL/SK	
PREFLUSH:TYF	2 <u>500 gal MUI</u>	DFLUSH		SPACER:1	'YPE	<u>500gai/SU</u>			
REMARKS/SAFE	TY EQUIPME	NT Stage							
SPOT BIN & LOA	D 1ST STAGE	1/25/00		,					
SALES ITEMS					TYPE		iliens listen and		\$1.175 \$100 CO
		GUIDE SH FLOAT SH		1 ea	TYPE	SSII			
CASING SIZE:		LOAT CC	DLLAR	<u>1 ea</u>	TYPE TYPE	SSII Type P &	nlug set	PINS	
<u>5 1/2</u>		STAGE TO		45_ea	TYPE	<u>5 1/2 x 7 7</u>			
					TYPE	T CLAMPS	3 ea	WELD-A	2 lb
REMARKS		NSERT F		E & MUD FL	1011 4/05	100 DIL #424	E2E OUT	A 1315 1/2	5
IS CREDIT OK	N. A. C. Hall			CREDIT CHE	CKED B	Y sap			in 18 - Mark Stream, and age
% DISCOUN	T50		_	SALES DATE/TIME	ORDER :	#			
ORDERED B CALL TAKEN B		eγ	-	TIN	1E READ`	Y 1600 NM<	>1/25/00	ALS FROM	HOBBS
REVIEWED B TRACTO	Υ	TRAILER		PICKUP	42051	9 CREW CA		1230 1/25	
CREW MEMBER	S C. SLAUGH	R. LOPI	EZ			– Man Eater30		n#1 Eddy 7	T LS.xls

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VF Petroleum\_Man Eater30FeeComm#1\_Eddy\_ZI\_LS.xls

ORTH AMERICA         DERVICES         DESCRIPTION         DESCRIPTION <thdescription< th=""> <thdescrippio< th=""> <t< th=""><th></th><th></th><th>וור פחו</th><th>MANA /</th><th>ARY</th><th></th><th>SALES ONDE REFORME</th><th></th><th>a 19 - 1 - 19 (</th><th>)1/26/00</th><th></th></t<></thdescrippio<></thdescription<>			וור פחו	MANA /	ARY		SALES ONDE REFORME		a 19 - 1 - 19 (	)1/26/00	
ORTH AMERICA         Description         2011         Construction           ORTO         104465         CODY SLUCCH         201441         COLDY SLUCCH         201441           OPEN         OPEN         Prove         Prove         Prove         Prove           OPEN         OPEN         Prove         Prove         Prove         Prove         Prove           OPEN         OPEN         Prove	3ION		INNVA/C Y								NM
DOLD 7         DOLD 7         DOLD 7         DOLD 7         DOLD 7         DOLD 7           DESSA         VF. Perforeum         Verset         Persona suster         1         Persona           Derivation         01         VF. Perforeum         Verset         Persona suster         5         17.2 STAGE PRODUCTION           Statem         01         VF. Perforeum         Verset         Statem         17.2 STAGE PRODUCTION           Statem         01         VF. Perforeum         Verset         Statem         Verset           CSIAUGH         144         Verset         Verset         Verset         Verset           CSIAUGH         144         Verset         Verset         Verset         Verset           CSIAUGH         144         Verset         Verset         Verset         Verset           Statem         0.0000         Verset         Verset         Verset         Verset           Statem         0.0000         Verset         Verset         Verset         Verset           Statem         Verset         Verset         Verset         Verset         Verset           Statem         Verset         Verset         Verset         Verset         Verset	ORTH AMERICA		H.E.G EMPLOYEE N	AME			PSL DEPARTMENT				
Construction         V.F. Perforeurn         Perform           Construction         Construction         Construction         Construction           Construction         Construction         Construction         Construction         Construction           Construction         Construction         Construction         Construction         Construction         Construction           Construction <td< td=""><td>D0107 104465</td><td></td><td></td><td>AUGH</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	D0107 104465			AUGH							
Citacolor         Difference         Difference <thdifference< th="">         Difference         Differenc</thdifference<>	DESSA		V.F. Petro	leum	<u> </u>		API////#				
Discolor         Discolution         Discolution <thdiscolution< th=""> <thdiscolution< th=""> <t< td=""><td></td><td></td><td></td><td><u></u></td><td></td><td></td><td></td><td></td><td>intion</td><td></td><td></td></t<></thdiscolution<></thdiscolution<>				<u></u>					intion		
Testing         Testing <t< td=""><td></td><td></td><td>DEPARTMENT</td><td></td><td></td><td>10003</td><td></td><td>51</td><td>2 2STAGE</td><td>PRODL</td><td>JCTION</td></t<>			DEPARTMENT			10003		51	2 2STAGE	PRODL	JCTION
an Ealer 30 Fee. Comm. #1	rtesia		O. SEC / TWP / RNG	ING SEL		.0000		. <u></u>			
Server (br / doc/dec.com)         Total Con         Server (br / doc/dec.com)         Server (br / doc/dec.com)           R. LOPEZ         T04405         104492         14           R. LOPEZ         T04005         10         A FTE (b4563         10         11           4 UP 1/2 10400         10         M DURAN         10         11         11           4 20516         20         54055785/3         20         11	Aan Eater 30 Fee. Con	101.				s	<u></u>	HRS			HR
C. SUDOPT         114         A FITE 194553         128         WALCER         104166         12           I. LOPEZZ         104006         M. DURAN         1				UNT		the second s	AN 104492	7.5			
R. COPUL         Control of the second s	0.00	++03	A FITE	104563	19	w AL	GER 104166	7.5	<u>.                                    </u>		
start must         strates         strates           420519         20         \$421349         20           53936-76679         20         421349         20           som         Tokkess         From         10           som         Tokkess         From         10           som         Tokkess         From         10           start rules         From         10         125/00         125/00           start rules         From         10         125/00         125/00         126/00           start rules         From         From         100         126/00         126/00         1005           start rules         From	R. LOFEZ 104		M. DI	JRAN	19	.0					
surration         Processing         Processi	······································		<u></u>					R / T MILES			R/TMH
42/019         20         421349         20         421349         20           535987/8679         20         421349         20         421349         40         40           orm. Name         Trype         Total         Total         Total         Total         40         10	E.S. UNIT #S/(R/T MILES)	the second se		8534							
Object for the second		a di seconda de la companya de la co		and the second s							
Dame         Trick refer         Tool	55950-70078										
Data Construction         From         To           Caracker Type         Set At         Set At         Type         Set At			<u> </u>						<del></del>	<del>ک</del> <del>محد بندی</del> —	
Office         Date         1/25/00         1/25/00         1/25/00         1/25/00           Time         1300         1/25/00         1/25/00         1/25/00         1/25/00         1/25/00           Type and Size         Clv         Make         1/25/00         1/25/00         1/25/00         1/25/00         1/25/00           Type and Size         Clv         Make         NewUsed         Weight Size         0.000         1/005           Total and Accessodes         NewUsed         Weight Size         0.000         1/005         1/005           Total Dial         51/2         1 es         HALLIBURTON         Casing         1/1.0         51/2         0.81/95           ShotsF         51/2         1 es         HALLIBURTON         Coersin         0.47/9         6.479         6.479           Suide Shoe         51/2         HALLIBURTON         Date Hours         0.47/9         6.479         1.000         5.02           Other         Mid Type         Gall         %         0.47/2         8.07         1.000         5.02         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.	om. Name			r	C						
Date         Person         Person         1300         1530NM         0000         1005           Type and Accessories         Total Depth         8,195         Time         1300         1500NM         0000         1005           Type and Size         Call P         Make         Weight Size         General         6,195         Make         Akee           Total Depth         5,12         Tea         HALLBORTON         Casing         0         6,195         Make         Akee           Total Depth         5,12         Tea         HALLBORTON         Casing         0         1,100         6,195         ShotsF           Total Depth         5,12         Tea         HALLBORTON         Casing         0         1,100         6,475         5,102         F           Stade Shoce         5,12         HALLBORTON         Casing         Casing         7,78         1,100         6,475         Cosing         Casing	Form. Thickness Packer Type	Se	t At		Date	1/25/00	1/25/0		1/20/00		
Verticity         Costs and Accessories         Well back         Well back         Cost and Accessories           Type and Size         Other         ALLIBURTON         Casing         U         17.0         5.1/2         0         6,195           Contrainers         5.1/2         1 ese 1HALLIBURTON         Casing         U         17.0         5.1/2         0         6,195           Contrainers         5.1/2         1 ese 1HALLIBURTON         Casing         U         17.0         5.1/2         0         6,195         Shots/F           School         5.1/2         1 ese 1HALLIBURTON         Done Hole         7.7/8         1,100         8,195         Shots/F           Suide Shoe         5.1/2         HALLIBURTON         Derefraitions         - </td <td>Bottom Hole Temp.</td> <td></td> <td></td> <td>195</td> <td>Time</td> <td>1300</td> <td></td> <td>THE REPORT OF THE REPORT OF TH</td> <td>0000</td> <td><u> </u></td> <td>005</td>	Bottom Hole Temp.			195	Time	1300		THE REPORT OF TH	0000	<u> </u>	005
Type and Size         City         Make           Dial Collar         51/2         1 ea         HALLIBURTON           Liner         Liner         1         0         51/2         0         51/2           Colar Shoe         51/2         1 ea         HALLIBURTON         Liner         1         1         1           Costing         0         51/2         1         HALLIBURTON         Liner         1	Retainer Depth		tur boptit						From	Το	Max. Alko
Total Collar         51/2         1 ea         HALLBURTON           Coll Since         51/2         1 ea         HALLBURTON           Dentralizers         51/2         1         HALLBURTON           Direr         Direr         Direr         Direr           Side Shoe         51/2         1         HALLBURTON           Direr         Halleburton         Direr         Direr           Side Shoe         51/2         HALLBURTON         Direr           Direr         Hadenals         Direr         Halleburton           Wid Type         Density         LbGal         Direr         Density         Direr           Wid Type         Gal.         %         Direr         Date         Hours         Date         Hours         Date         Date         Description         Direr         Direr         Direr         Date         Dat	Type and Size	Qty	Make		Casing			the second s			
Index Stride       5 172       14 See       HALLBURTON         Top Flug       5 172       1       HALLBURTON         Top Flug       5 172       1 ea       HALLBURTON         Secter       5 172       1 ea       HALLBURTON         Diserf Float       5 172       HALLBURTON       Deen Hole       7 7/6       1,100       6,479       6         Source Store       5 172       HALLBURTON       Deen Hole       7 7/6       1,100       6,479       6         Guide Shoe       5 172       HALLBURTON       Deen Hole       7 7/6       1,100       6,479       6         Other       Materials       Lb/Gail       Deen Hole       7 7/6       1,000       6,479       6         Other       Densky       Lb/Gail       Densky       Lb/Gail       Densky	Float Collar 51	1/2	HALLIBURTO	N							
Top Plug         51/2         1         HALLIBURTON           Tacker         51/2         1ea         HALLIBURTON           Drill Pige         77/8         1,100         8,195           Store         51/2         HALLIBURTON         Drill Pige         77/8         1,100         8,195           Store         51/2         HALLIBURTON         Drill Pige         77/8         1,100         8,195           Store         51/2         HALLIBURTON         Drill Pige         77/8         1,100         8,195           Differ         Date         Hours         Drill Pige         6,479         6,479         5           Differ         Density         LD/Gal         Date         Hours         Date         Hours         Description of Job           Prop. Type         Size         LD         Differ         Date         Hours         SEE JOB LOG         Differ           Acid Type         Gal         %         Matematic         Gal         Matematic         Description of Job           Surfactant         Gal         N         Matematic         Description of Job         Description of Job           Other         Gal/Lb         In         Gal/Lb         In         Gal <td>I loat ontoo</td> <td></td> <td>HALLIBURTO</td> <td>5N</td> <td>Liner</td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td>	I loat ontoo		HALLIBURTO	5N	Liner						
Packer         3 //2         1 ea         HALLIBURTON           DV Tool         5 1/2         1         et         HALLIBURTON           insert Float         5 1/2         HALLIBURTON         Perforations         7 //6         1,100         8,195         Stitulisy           Other         5 1/2         HALLIBURTON         Perforations         6,275         6,479         Descriptions         Descriptions<	Top Plug 5	112	HALLIBURTO								
Dy Tool         2 T/2         Perforations         6.479         6.479           Guide Shoe         5 1/2         HALLBURTON         Berforations         6.479         6.479         6.479           Guide Shoe         5 1/2         HALLBURTON         Density         Lb/Gai         Berforations         6.479         6.479           Other         Density         Lb/Gai         Date         Hours         1/26         3.0           Pron. Type         Size         Lb         Date         Hours         1/26         3.0           Pron. Type         Size         Lb         1/25         8.0         1/26         3.0           Surfactant         Gai         In         Gai/Lb         In         Gai/Lb         In           Fric. Red.         Gai/Lb         In         Gai/Lb         In         Gai/Lb         In           Blocking Agent         Gai/Lb         In         Gai/Lb         In         Gai/Lb         In           Chter         Ordered         Average Rates in BPMI         Used         In         In           Chter         Ordered         Average Rates in BPMI         Used         In         In           Other         Size         In	Packer 5		HALLIBURT					7 7/8	1,100	8,195	Shots/F
Guide Shoe         5 1/2         HALLBURTON         Entropy         Edited Shoe         6.479         Edited Shoe           Other         Density         Lb/Gal         Density         Lb/Gal         Description of Job           Hours On Location         Density         Lb/Gal         Date         Hours On Location         Date         Description of Job           Prop. Type         Size         Lb         1/25         8.0         1/26         3.0         SEE JOB LOG           Acid Type         Gal         %         Materials	001001	1/4-			Perforati	ons		ļ		┟	+
Other       Materials       Lbr (a)       Hours Cn Location       Operating Hours       Description of 300         Mud Yyee       Density       Lbr (a)       Lbr (a)       Density       Disp. Fluid       SEE JOB LOG       Disp. Fluid       Disp.						ons		<u> </u>			
Mid Type         Density         Lb/Gal         1725         18.0         1726         3.0         SEE_JOB LOG           Prop. Type         Size         Lb         1725         8.0         1726         3.0         SEE_JOB LOG           Prop. Type         Size         Lb         1726         3.0         SEE_JOB LOG           Prop. Type         Size         Lb         1726         1726         3.0         SEE_JOB LOG           Prop. Type         Size         Lb         1726         1726         3.0         SEE_JOB LOG           Add Type         Gal         %         1726	Other	Materials	1	·	Hours O			Hours	<u>Descri</u>	otion of Jo	<u>,p</u> dr
Disp. Fluid         Density         Lister         Disp.         Total         Disp.	Mud Type	Density							SEE JO	BLOG	
Prop. Type       Size       Lb         Prop. Type       Size       Lb         Acid Type       Gal.       %         Acid Type       Gal.       %         Surfactant       Gal.       in         Surfactant       Gal.       in         Gelling Agent       Gal/Lb       in         Fric. Red.       Gal/Lb       in         Bioking Agent       Gal/Lb       in         Perpac Balls       Chy       Disp.         Ordered       Avail.       Used         Treating       Disp.       Overall         Treating       Disp.       Overall         Cher       Cement Left in Pipe         Feet       42       Reason SHOE LOINT         Cher       Stage       Strick Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Sait       8.2       1.66         Stage       Sandered       ViRq.       Yield       Lbe/Gal         Galing       Displacement       Lost Returns-VES       Stocker Gal - BBI       12       Type: 500 gal MUDFLUS         Circulating       Displacement       Lost Returns-NO       Excess ReturnGal BBI       Calc. Disp Bal         Circulating       Displacement       Disp.Bol-Gal       18	Disp. Fluid		· · · · · · · · · · · · · · · · · · ·	"Gal				ļ	]		
Add Type       Gal.       %         Suffactant       Gal.       %         Suffactant       Gal.       %         Gelling Agent       Gal/Lb       in         Fric. Red.       Gal/Lb       in         Breaker       Gal/Lb       In         Breaker       Gal/Lb       In         Bioking Agent       Gal/Lb       In         Breaker       Gal/Lb       In         Bioking Agent       Gal/Lb       In         Perfpac Balls       Oty.       Overall         Other			Lb					<b> </b>			
Actor type       Gal.       in         NE Agent       Gal.       in         NE Agent       Gal.       in         Stridctant       Gal.       in         Gelling Agent       Gal/Lb       in         Gelling Agent       Gal/Lb       in         Breaker       Gal/Lb       in         Blocking Agent       Gal/Lb       in         Perfpac Balls       Qty.       Ordered       Avail.         Other	Acid Type	Gal.			ļ						
Stillateint       Gail       In         Fixed cost       Gail/Lb       In         Fixed cost       Gail/Lb       In         Fric. Red.       Gail/Lb       In         Breaker       Gail/Lb       In         Breaker       Gail/Lb       In         Breaker       Gail/Lb       In         Breaker       Gail/Lb       In         Ordered       Avail       Used         Ordered       Avail       Used         Ordered       Avail       Used         Ordered       Avail       Used         Other       Disp.       Overall         Other       Eet al       Reason SHOE LOINT         Cement Data       Eet al       Reason SHOE LOINT         Centert Data       B       5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Sait       8.2       1.66       13.0         Gail Additives       WRq.       Yield       Lbs/g       16.6       2.77       11.1         Gail Additives       Summany       Gail-BBI       12       Type: 500 gai MUDFLUS         Circulating       Displacement       Poet Bbil       Calc. Disp Bbil       780         Lost Retums-VES       Actual TOC       C	Acid Type								]		
Fluid Loss       Gal/Lb       in         Gelling Agent       Gal/Lb       in         Fic. Red.       Gal/Lb       in         Breaker       Gal/Lb       in         Blocking Agent       Gal/Lb       in         Perpac Balls       Oty.       Hydraulic Horsepower         Ordered       Avail.       Used         Other       Ordered       Avail.       Used         Other       Cement Left in Pipe         Other       Cement Date       Cement Left in Pipe         Feet       42       Reason SHOE LOINT         Other       Cement Date       If dottered         Cement Date       VRq.       Yield       Lbs/d         Cement Date       VRq.       Yield       Lbs/d         Cement Date       If dottered       16.6       2.77       11.5         Gal Allow       Stage       Stage       5.2       1.18       15.6         Gal Allow       Stage       Stage       Stage       Stage       Additives         Gal Allow       Stage       Stage       Stage       Stage       If dotsk Flocele       16.6       2.77       11.5         Gal Allow       B       If dotsk Flocele								+			<u></u>
Sinc. Red.       Gal/Lb       in       Total       3.0         Breaker       Gal/Lb       in	Fluid Loss			<b></b>	┝						
Inc. Reaker       Gal/Lb       In       Total       8.0       Total       0.3         Breaker       Gal/Lb       Gal/Lb       Hydraulic Horsepower       Used         Perfpac Balls       Qty.       Hydraulic Horsepower       Avail.       Used         Other       Avail.       Used       Incertain Stressepower       Used         Other       Cernent Left in Pipe       Overall       Incertain Stressepower       Overall         Other       Cernent Data       Cernent Data       ViRq.       Yield       Used         Other       Stage       Sacks       Cement Data       Stage       Sacks       1.06       13.0         400       Super H.       B       5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt       8.2       1.06       13.0         400       Super M.       B       5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt       8.2       1.06       13.0         400       Super M.       B       6/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt       8.2       1.06       13.0         935       Interfill O       B       11/4 lb/sk Flocele       16.6       2.77       11.6         100       Premium       B       neat       Summary		Gal/Lb						20			
Perfpac Balls       City.       Ordered       Avail.       Used         Other	Breaker	Gal/Lb			Total	8.0	ICLEI	<u> </u>			
Other       Ordered       Average Rates in BPM         Other	Blocking Agent	G	al/Lb		<b></b>		Hydraul	ic Horsepo	wer		
Other         Overall           Other         Cerment Left in Pipe           Other         Cerment Left in Pipe           Other         Feet           Other         Cerment Left in Pipe           Feet         42           Reason SHOE LOINT           Stage         Sacks           Cement         Bulk/Sks           Additives         W/Rq.           Yield         Lbs/G           400         Super H           B         5/10% Halad-344           400         Super H           B         1/4 lb/sk Flocele           100         Premium           B         Interfil Q           B         1/4 lb/sk Flocele           100         Premium           Displacement         Preflush:           Circulating         Displacement           Maximum         Excess /ReturnGal BBI           Calc. Disp Bb/ 380           Lost Returns-NO         Calc. ToC:           Criculating         Actual TOC           Actual TOC         Calc. ToC:           Criculating         Frac. Gradient           Sout networks         5 Min.           Actual TOC         Calc. TOC:     <	Perfpac Balls	Q	···		Ordered					sea	
Other       Cement Left in Pipe         Other       Reason       SHOE LOINT         Cement Data       Reason       SHOE LOINT         Stage       Sacks       Cement       Bulk/Sks       Additives         Stage       Sacks       Cement       Bulk/Sks       Additives         Stage       Sacks       Cement       Bulk/Sks       Additives         View       Yield       Lbs/G         400       Super H       B       5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Sait       8.2       1.66       13.0         935       Interful G       B       1/4 lb/sk Flocele       16.6       2.77       11.8         935       Interful G       B       neat       Summary       Sold       16.6       2.77       11.8         100       Premium       B       neat       Summary       Sold       BBI       Pad:Bbl-Gal       189         Lost Returns-YES       Lost Returns-NO       Excess /ReturnGal BBI       Calc. Disp Bbl       189         Lost Returns-YES       Lost Returns-NO       Cement Slurry Gal - BBI       601       Disp:Bbl-Gal       189         Shut In: Instant       5 Min.       15 Min.       Cement Slurry Gal - BBI       601		the second se			Treating		Disp		Overa	ıll	
Cement Data         W/Rq.         Yield         Lbs/G           Stage         Sacks         Cement         Bulk/Sks         Additives         W/Rq.         Yield         Lbs/G           400         Super H.         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt         8.2         1.66         13.0           935         Interful G.         B         1/4 lb/sk Flocele         16.6         2.77         11.6           935         Interful G.         B         1/4 lb/sk Flocele         5.2         1.18         15.6           100         Premium         B         neat         5.2         1.18         15.6           100         Premium         B         neat         Summary         5.2         1.18         15.6           Circulating         Displacement         Preflush:         Gal - BBI         12         Type: 500 gal MUDFLUS           Breakdown         Maximum         Load & Bk(h: Gal - BBI         Calc. Disp Bbl         189.           Lost Returns-YES         Lost Returns-NO         Excess /ReturnGal BBI         Calc. Disp. Bbl         189.           Cmt Rtm#Bbl         Actual TOC         Treatment:         Gal - BBI         601         189.           Average	Other	<u>}</u>		{			Cemer	nt Left in P	De		
Cement Data           Stage         Sacks         Cement         Bulk/Sks         Additives           400         Super H.         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt         8.2         1.66         13.0           400         Super H.         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt         8.2         1.66         13.0           935         Interful G         B         1/4 lb/sk Flocele         16.6         2.77         11.5           100         Premium         B         neat         5.2         1.18         15.6           100         Premium         B         neat         Calc. Disp Babl         189.           Circulating         Displacement         Preflush:         Gal - BBI         12         Type: 500 gal MUDFLUS           Breakdown         Maximum         Load & Bkdn:         Gal - BBI         Calc. Disp Bbl         189.           Lost Returns-YES         Lost Returns-NO         Calc. TOC:         Actual Disp.         148.           Circulating         Actual TOC         Calc. TOC:         Actual Disp.         148.           Average         5 Min.         15 Min.         Cement Slurry Gal - BBI         601			······		Feet	42	Reason	SHOE LO			
Stage         Sacks         Cement         Bulk/Sks         Additives         Wrkq.         Heid         Ebso           400         Super H         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt         8.2         1.66         13.0           400         Super H         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Salt         8.2         1.66         13.0           935         Interful C         B         16.6         2.77         11.5           935         Interful C         B         16.6         2.77         11.5           100         Premium         B         neat         5.2         1.18         15.6           Summary         Circulating         Displacement         Preflush:         Gal - BBI         12         Type: 500 gal MUDFLUS           Breakdown         Maximum         Load & Bkdn: Gal - BBI         Calc. Disp Bb/         189           Lost Returns-YES         Lost Returns-NO         Excess /ReturnGal BBI         Calc. Disp Bb/         189           Actual TOC         Treatment:         Gal - BBI         Disp:Bbl-Gal         189           Average         Frac. Gradient         Total Volume Gal - BBI         601         180           Shut In: Ins				and the second		nort Onto					
Stage         Sacks         Cement         DuiNous         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Sait         8.2         1.00         13.0           400         Super H         B         5/10% Halad-344, 4/10% CFR-3, 5 lb/sk Gilsonite, 1 lb/sk Sait         8.2         1.00         -			/Ske		Additives				VV/	<u></u>	
400         Cuper II         B         Image         Image <thima< td=""><td>Oldgo Oddino</td><td></td><td>5/10% Hal</td><td>ad-344, 4/</td><td>10% CFR</td><td>-3, 5 lb/sk Gilsor</td><td>ite, 1 lb/sk Salt</td><td></td><td>8.</td><td>2 1.0</td><td><u>50   13.0</u></td></thima<>	Oldgo Oddino		5/10% Hal	ad-344, 4/	10% CFR	-3, 5 lb/sk Gilsor	ite, 1 lb/sk Salt		8.	2 1.0	<u>50   13.0</u>
935       Interful C       B       1/4 lb/sk Flocele       10.0       2.11       10.0       2.11       15.0         100       Premium       B       neat       5.2       1.18       15.0         100       Premium       B       neat       5.2       1.18       15.0         Circulating       Displacement       Preflush:       Gal - BBi       12       Type:       500 gal MUDFLUS         Breakdown       Maximum       Load & Bkdn:       Gal - BBi       Pad:Bbl - Gal       90         Lost Returns-YES       Lost Returns-NO       Excess /ReturnGal BBI       Calc. Disp Bbl       189         Lost Returns-YES       Lost Returns-NO       Excess /ReturnGal BBI       Calc. Disp. Bbl       189         Actual TOC       Calc. TOC:       Actual Disp.       185         Average       Frac. Gradient       Treatment:       Gal - BBI       Disp:Bbl-Gal       185         Shut In: Instant       5       Min.       15       Min.       Total Volume Gal - BBI       802         Frac Ring #1       [Frac Ring #2       [Frac Ring #3       [Frac Ring #4       Frac Ring #4         THE INFORMATION       STATED HEREIN IS CORRECT       Interflue Karter       Interflue Karter       Interflue Karter	400 30										
935       Internal C       B       neat       5.2       1.16       100         100       Premium       B       neat       Summary       100 <td></td> <td></td> <td></td> <td>locele</td> <td></td> <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td>				locele		·					
Summary         Circulating       Displacement       Preflush:       Gal - BBi       12       Type:       500 gal MUDFLUS         Breakdown       Maximum       Load & Bkdn:       Gal - BBi       Pad:Bbl - Gal       Pad:Bbl - Gal         Lost Returns-YES       Lost Returns-NO       Excess / ReturnGal BBI       Calc. Disp Bab       189.         Cmt Rtm#Bbl       Actual TOC       Calc. TOC:       Actual Disp.       189.         Average       Frac. Gradient       15 Min.       Cement Slurry Gal - BBI       601         Shut In: Instant       5 Min.       15 Min.       Cement Slurry Gal - BBI       802         Frac Ring #1       [Frac Ring #2       [Frac Ring #3       [Frac Ring #4         THE INFORMATION STATED HEREIN IS CORRECT       Stated HEREIN IS CORRECT		critic der	neat								<u>18   15.</u>
Circulating       Displacement       Freinusti.       Gal = BBI       Pad:BbI - Gal         Breakdown       Maximum       Load & Bkdn:       Gal = BBI       Calc.Disp Bbi       189.         Lost Returns-YES       Lost Returns-NO       Excess /ReturnGal BBI       Calc.Disp Bbi       189.         Lost Returns-YES       Actual TOC       Calc. TOC:       Actual Disp.       189.         Cmt Rtm#Bbi       Frac. Gradient       Treatment:       Gal - BBI       601         Average       5 Min.       15 Min.       Cement Slurry Gal - BBI       601         Shut In: Instant       5 Min.       15 Min.       Cement Slurry Gal - BBI       802         Frac Ring #1       [Frac Ring # 2       [Frac Ring # 3       [Frac Ring # 4         THE INFORMATION STATED HEREIN IS CORRECT       IFrac Ring # 3       [Frac Ring # 4		31 IIII			Sun	nmany Deciliosh		12	Туре	500 g	al MUDFLU
Breakdown       Machading       Excess /ReturnGal BBI       Calc. Disp BbI       100         Lost Returns-YES       Lost Returns-NO       Calc. TOC:       Actual Disp.       185         Cmt Rtm#BbI       Actual TOC       Calc. TOC:       Actual Disp.       185         Average       Frac. Gradient       Treatment:       Gal - BBI       001         Shut In: Instant       5 Min.       15 Min.       Cement Slurry Gal - BBI       802         Frac Ring #1       [Frac Ring #2       [Frac Ring #3       [Frac Ring #4         THE INFORMATION STATED HEREIN IS CORRECT						Load & B	dn: Gal - BBI		Pad:	Bbl -Gal	
Cmt Rtm#Bbl	Breakdown		ost Returns-NO	·		Excess /R	etumGal BBI				
Average       Flat. Gladient       15 Min.       Cement Slurry Gal - BBI       601         Shut In: Instant       5 Min.       Total Volume       Gal - BBI       802         Frac Ring #1       Frac Ring #2       Frac Ring #3       Frac Ring #4         THE INFORMATION STATED HEREIN IS CORRECT	Cmt Rtm#Bbl	A	ctual TOC			Treatment	: Gal - BB	1	Disp		18
Shut In: Instant     Total Volume Gal - BBI     802       Frac Ring #1      Frac Ring #2      Frac Ring #3      Frac Ring #4       THE INFORMATION STATED HEREIN IS CORRECT	Average	F	rac. Gradient Min.	15 Mir	Ain Cement Slurry Gal - BBI601						
THE INFORMATION STATED HEREIN IS CORRECT	Snut in: instant					Total Volu	me Gal-BB			a#4	
THE INFORMATION STATED HEREIN IS CORRECT	Frac Ring #1		Frac Ring #	2		i rac i	uiù # 2	<u></u>	IN THE PARTY	<u> </u>	<u>a</u>
CUSTOMER REPRESENTATIVE	THE INFORMA	TION STATE	ED HEREIN IS	5 CORR	ECT						
	CUSTOMER R	EPRESENTA					DIONATU	95			
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Biology Hamilton         Model Country         Biology Hamilton         Biology Hamilton <th>Hallib</th> <th colspan="6">Halliburton 3LOG</th> <th></th> <th>399/</th> <th>01/25/00</th>	Hallib	Halliburton 3LOG							399/	01/25/00
Construint         Tel: 6 and construction         Tel: 6 and construction         Tel: 6 and construction           CODY SLAUGH         CODY SLAUGH         CODY SLAUGH         CODY SLAUGH         Construction           Construction         Construction         Construction         Construction         Construction           Construction         VF. Petroleum         Addition         Construction         Construction           Construction         Construction         Construction         Construction         Construction           C										
Date of the second of	BUID/EMPL#									
DESSA         (VF. Petroleum. Other         Overal           Standown         Other         Overal         Zervalese cote           ELLSochie         Overal         Zervalese cote         7523           Martine         Rate         Volume Press.(PSI)         Job Description / Remarks           Martine         Rate         Volume Press.(PSI)         Job Description / Remarks           Martine         Rate         Volume Press.(PSI)         Job Description / Remarks           1530NM         Image: Serval Action         01/25/00         01/25/00           1530NM         Image: Serval Action         01/25/00         01/25/00           0025         6.0         12.0         1         420 Fressh           0026         6.0         12.0         1         420 Fressh           0028         6.0         12.0         1         200 Fressh           0028         6.0         12.0         1         200 Fressh           0029         11         Dresshereresso         200 F		104465		COMPAN	<u>y SL</u>	AUGH				
Other         Other         Comment           Construction         Comment         Comment         Comment         Comment           Construct         Comment         Comment         Comment         Comment         Comment           An Eler 30 Fee. Col #1         Col #1         Col Col #1         Col Col #1         Col Col #1         Col Col #1           Chart         Time         Rate:         Volume Prope         Press (PSI)         Col Col Anticol Market         Col Col #1           Chart         Time         Rate:         Volume Prope         Col Col #1         Col Col #1         Col Col #1           Col 1         Col 1         400         FRESH         Col Col #1         Col Col #1           Col 2         Col 1         400         FRESH         Col Col #1         Col #1           Col 2         6.0         12.0         1         420         FRESH         Col #1           Col 2         6.0         10.0         1         430         ERESH         Col #1           Col 2         6.0         10.0         1         430         ERESH         Col #1           Col 2         1.0         1         Col #1         Col #1         Col #1         Col #1						leum	<u> </u>			
BLUCKATOR         Low Number         CEMENTING SERVICES 10003         T523           TABLERS         VALUE         ECEMENTING SERVICES 10003         T523           TABLERS         VALUE         ECEMENTING SERVICES 10003         T523           TABLERS         Imme         Rate         Volume         Top         Top           Chart         Imme         Rate         Volume         Press(PSI)         Job Description / Remarks           No.         Imme         Rate         Volume         Press(PSI)         Job Description / Remarks           No.         Imme         Rate         Volume         Press(PSI)         Job Description / Remarks           No.         Imme         Rate         Volume         Press(PSI)         Job Description / Remarks           No.         Imme         Rate         Volume         Press(PSI)         Job Description / Remarks           No.         Imme         Imme         Conduct Location         01/25/00           No.         Imme         Imme         Conduct Location         01/25/00           No.         Imme         Imme         Conduct Location         01/25/00           No.         Imme         Imme         Imme         Imme         Imme	CKET AMOUNT								Ar worth #	
Market         Works         Schwerket           One         Rate         Volume Properties         Tess.(PSI)         Job Description/ Remarket           No.         Rate         Volume Properies         Tess.(PSI)         Job Description/ Remarket           1530NM         Image: Construct Constr	ELL LOCATION			DEPARTM	ENT					7500
An Eater 30 Fee. Col #1         Job Description / Remarks           Chart         Time         Rate         Volume prope         Press (PSI)         Job Description / Remarks           No.         (gram)         prison / T         T         To         To         To         On           1530NM         -         -         -         -         -         -         01/25/00           0019         6.0         10.0         1         400 FRESH         -         -           0025         6.0         12.0         1         420 MUD FLUSH         -         -           0026         6.0         12.0         1         420 FRESH         -         -           0028         6.0         12.0         1         420 FRESH         -         -           0028         6.0         12.0         1         340 Super FLUSH 102         -         -           0030         6.0         10.0         1         250 DispLaCe Writh 20 Six Super H         -         -           0050         1         100 Drept HE PLUG & WASH PUMP & LINES         -         -         -           0101         10.0         1         100 DispLaCe Writh 20 Six Super H         -         -	<u>itesia</u>		Well No.			NG SER	VICES 10	003		1523
Chart         Time         Rete         Volume         Priso	lan Eater	30 Fee. (	Co #1							Norodantion / Pemarks
ISSONM         ARRIVE ON LOCATION         01/25/00           1530NM         CONDUCT LOCATION ASSESSMENT SAFETY MEETING         CONDUCT LOCATION ASSESSMENT SAFETY MEETING           0019         6.0         10.0         1         400 FRESH           0025         6.0         12.0         1         420 MUD FLUSH           0026         6.0         12.0         1         420 PRESH           0026         6.0         12.0         1         420 PRESH           0026         6.0         10.0         1         430 FRESH           0032         8.5         118.0         1         310 CEMENT 400 SKS SUPER H           0032         8.5         118.0         1         250 DISPLACE with 128         100 FRESH           0050         1         DROP THE PLUG & WASH PUMP & LINES         1140 LAND THE PLUG         100 FRESH           0101         10.0         139.0         1         770 DISPLACE with RUS AVASH PUMP & LINES           0121         1         DROP THE EDUG & WASH PUMP & LINES         100 FRESH           0125         1         DROP THE DW TAOL         11           0126         1         DROP THE DWEL         11           0126         2         200 LAD CEMENT 395 SKS INTERFILL C	Chart	Time	Rate				n Maria di seconda di Arabia			Description
1530/W         CONDUCT LOCATION ASSESSMENT SAFETY MEETING           0019         6.0         10.0         1         400 FRESH           0025         6.0         12.0         1         420 MUD FLUSH           0026         6.0         12.0         1         420 MUD FLUSH           0026         6.0         12.0         1         420 FRESH           0028         6.0         12.0         1         340 SUPER FLUSH 102           0030         6.0         10.0         1         430 FRESH           0032         8.5         118.0         1         310 Cettement 400 sKS SUPER H           0032         8.5         118.0         1         250 DISPLACE WHOW AD ROVE THE DV TOOL           0101         10.0         139.0         1         770 DISPLACE WHOW AD ROVE THE DV TOOL           0120         189.0         1         1140 LAND THE PLUG         10.0           0121         1         OPEN THE DV TOOL         10.0         1           0125         1         DROP THE BOMB         10.0         1           0147         1         OPEN THE DV TOOL         1         2.00 DAT           0147         1         OPEN THE DV TOOL         1         2.00 DAT <td>No,</td> <td></td> <td>(BPM)</td> <td>(BBC)(GAL)</td> <td>TC</td> <td>Tbg</td> <td>Cag</td> <td></td> <td></td> <td>01/25/00</td>	No,		(BPM)	(BBC)(GAL)	TC	Tbg	Cag			01/25/00
O019         6.0         10.0         1         400           0025         6.0         12.0         1         420         MUD FLUSH           0025         6.0         12.0         1         420         FRESH           0025         6.0         12.0         1         420         FRESH           0026         6.0         12.0         1         340         SUPER FLUSH 102           0028         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0032         8.5         118.0         1         250         DISPLACE w/ FRESH           0050         1         250         DISPLACE w/ FRESH         100           0101         10.0         139.0         1         770         DISPLACE w/ MUP & LINES           0121         1         CHECK THE FLOATS         1         CHECK THE FLOATS           0121         1         CHECK THE FLOATS         1         SHUT DOWN & TURN OVER TO THE RIG           0147         1         SHUT DOWN & TURN OVER TO THE RIG         2         2ND STAGE           0830         5.0         20.0		1530NM			┝╌┠╼					
0012         6.0         12.0         1         420         MUD FLUSH           0025         6.0         12.0         1         340         SUPER FLUSH 102           0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250         DISPLACE w/MUD ABOVE THE DV TOOL           0101         10.0         13.0         1         770         DISPLACE w/MUD ABOVE THE DV TOOL           0120         189.0         1         1140         LAND THE PLUG         1           0121         1         OROP THE BOMB         CIRCULATE THE WELL         1           0125         1         DROP THE BOMB         2         2           0126         1         SHUT DOWN & TURN OVER TO THE RIG           2         1         SHUT DOWN & TURN OVER TO THE RIG           3001         1.0         2         3000           0839         8.0		┼───┤			$\vdash$	+		CONDO	LOCATION AD	
0012         6.0         12.0         1         420         MUD FLUSH           0025         6.0         12.0         1         340         SUPER FLUSH 102           0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250         DISPLACE w/MUD ABOVE THE DV TOOL           0101         10.0         13.0         1         770         DISPLACE w/MUD ABOVE THE DV TOOL           0120         189.0         1         1140         LAND THE PLUG         1           0121         1         OROP THE BOMB         CIRCULATE THE WELL         1           0125         1         DROP THE BOMB         2         2           0126         1         SHUT DOWN & TURN OVER TO THE RIG           2         1         SHUT DOWN & TURN OVER TO THE RIG           3030         5.0         20.0         2         400           0839	- <u></u>	╞┈╼╼╌┤				+		· · · · · · · · · · · · · · · · · · ·		
0012         6.0         12.0         1         420         MUD FLUSH           0025         6.0         12.0         1         420         FRESH           0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES         0054         10.0         50.0         1         DROP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250         DISPLACE w/MD ABOVE THE DV TOOL           0101         10.0         13         1770         DISPLACE w/MD ABOVE THE DV TOOL           0120         189.0         1         1140         LAND THE PLUG           0121         1         OROP THE BOMB         OROP THE BOMB           0122         189.0         1         OROP THE DW TOOL           0125         1         DROP THE DW TOOL         CIRCULATE THE WELL           0147         1         SHUT DOWN & TURN OVER TO THE RIG           0147         1         SINT DOWN & TURN OVER TO		╉╼╌╌╉			┟╌┼╴					
0012         6.0         12.0         1         420         MUD FLUSH           0025         6.0         12.0         1         340         SUPER FLUSH 102           0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250         DISPLACE w/MUD ABOVE THE DV TOOL           0101         10.0         13.0         1         770         DISPLACE w/MUD ABOVE THE DV TOOL           0120         189.0         1         1140         LAND THE PLUG         1           0121         1         OROP THE BOMB         CIRCULATE THE WELL         1           0125         1         DROP THE BOMB         2         2           0126         1         SHUT DOWN & TURN OVER TO THE RIG           2         1         SHUT DOWN & TURN OVER TO THE RIG           3030         5.0         20.0         2         400           0839		0010	60	10.0			400	FRESH		
0025         6.0         5.0         1         420         FRESH           0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250         DISPLACE w/ FRESH           0101         10.0         139.0         1         770         DISPLACE w/ FRESH           0121         189.0         1         1140         LAND THE PLUG         AWASH PUMP & LINES           0121         189.0         1         1140         LAND THE PLUG         AWASH PUMP & LINES           0125         1         DROP THE BOMB         C         C         C         C           0147         1         OPEN THE DV TOOL         C         RC         ND STAGE           0830         5.0         20.0         2         100         TAIL CEMENT 100 SKS REMIUM           0839         8.0         461.0         2         3000         LEAD CEMENT 109 EVGOL					┝──┾──				USH	
0028         6.0         12.0         1         340         SUPER FLUSH 102           0030         6.0         10.0         1         430         FRESH           0032         8.5         118.0         1         310         CEMENT 400 SKS SUPER H           0050         1         DROP THE PLUG & WASH PUMP & LINES         0054         10.0         50.0         1         250         DISPLACE w/ MPL ABOVE THE DV TOOL           0101         10.0         139.0         1         770         DISPLACE w/ MUD ABOVE THE DV TOOL           0120         189.0         1         1140         LAND THE PLUG         CHECK THE FLOATS           0121         1         DROP THE BOMB         CHECK THE FLOATS         1         OPEN THE DV TOOL           0125         1         DROP THE BOMB         CHECK THE RIG         2         10.0         1           0147         1         OPEN THE DV TOOL         CHECK THE RIG         2         2         10.0         1         CHECK THE RIG           0147         1         OPEN THE DV TOOL         1         CHECK THE RIG         2         2         2         2         2         2         2         2         2         2         2         2			_	·····	┝╍┥╼					
0030         6.0         10.0         1         430 FRESH           0032         8.5         118.0         1         310 CEMENT 400 SKS SUPER H           0050         1         DOP THE PLUG & WASH PUMP & LINES           0054         10.0         50.0         1         250 DISPLACE w/ FRESH           0101         10.0         139.0         1         770 DISPLACE w/ MUD ABOVE THE DV TOOL           0120         189.0         1         1140 LAND THE PLUG           0121         1         CHECK THE FLOATS           0125         1         DROP THE BOMB           0147         1         OPEN THE DV TOOL           100         1         CIRCULATE THE WELL           100         1         CIRCULATE THE WELL           100         1         CIRCULATE THE WELL           100         1         SHUT DOWN & TURN OVER TO THE RIG           2ND STAGE         20830         5.0         20.0         2           0839         8.0         461.0         2         300 LEAD CEMENT 935 SKS INTERFILL C           0946         10.0         149.9         2         1200 DISPLACE WITH FRESH           1005         3.5         1         3000 LAND THE PLUG CLOSE THE DV TOOL						1			FLUSH 102	
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## Work Order Contract

Order Number

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Halliburton	Energy	Services,	Inc
Houst	on, Tex	as 7705	6

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

PHODUC	TS, SUPPLIES AND INTERES		County	State	Well Permit Number		
	FarmorLease			NM	1		
#1			Eddy				
Well Owner				Job Purpose			
V.F. Petroleu		100	15 1/2 2ST/	AGE PRODUCTION			
V.F. Petroleum			RK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED				
		THIS WOR	JAK ORDEH MOST BE SIGNED DET ONE WORK DE Colorate to experied by Helithurge Energy Services Inc.				

A CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Hallibur

(hereinatter "Halliburton").

PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list All prices are exclusive of taxes. If Customer does not have an approved open account with Haliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment products or materials. If Oustomer has an approved open account, invoices are payable on the wentieth day after the date of invoice. Oustomer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an atomey for collection of any account. Customer agrees to pay attorney tees of 20% of the unpaid account, or Halkburton's actual attorneys tees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to BELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any k ad owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND. INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attomey fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control: services to control a wild well whether underground or above the surface: reservoir or underground domage, including loss of oil gas, other mineral substances or water, surface demage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof, fre: explosion: subsurface pressure: redipactivity, and pollution and contomination and its cleanup and control.

CUSTOMER'S BELEASE. DEFENSE. INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, one current, active or passive negligence, fault, or strict liability of one or more members of the Halilberton Group, the enseaworthiness of any vessel or any defect in the data, products, supplies, unber or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thersof or from a failure to rials or equipment ternished by any m elect. "Halliberton Group" is defined as Halliberton Energy Services. Inc., its parent, subsidiary, and affiliated companies, inserers and subcontractors and all hs/their officers, directors, septoyees, cossettants and agents. Customer's RELEASE. DEFENSE. INDEMNITY AND HOLD HARMLESS obligations apply whether the per isjary, illness, death, property damage or loss is seffered by one or more mombers of the Halliberton Group, Cestomer, or any other person or entity. Custo er acres to sepor or agrees to same Halliburton Group as named additional insureds on all of its ce with limits of not less than \$500,000. Cust such obligations assumed bareis with liability insura general liability policy(s). Cestomer agrees that its liability under this Contract is not limited by the amounts of its lasurance coverage, except where and as may be required by licable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well, if the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is interparable. Customer shall pay the replacement cast, unless caused by Halliburton's tole negligence. If a radioactive source becomes lost or lodged in the well. Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or ebendonment and shall permit Helliburton to monitor the recovery or ebendonment efforts all et no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even it such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effuents UMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from detects in workmanship

and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburbon's sole liability and Customer's acclusive remedy in any cause of scion (whether in contract, lort, breach of warranty or otherwise) arising out of the sale, lease or use or any equipment, products, or materials is expressly limited to the replacement of such on their return to Helliburton or, at Helliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Helliburton be liable for special, incidental, indirect, consequential, or punitive tamages. Because of the uncertainty of variable well conditions and the necessity of relying on techs and supporting services furnished by others. HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP, Halliburton personnel will use their best efforts in gethering such information and their best judgment in interpreting it, but Customer agrees thet Helliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by

GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or third parties.

DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three moterials are delivered arbitrators under the rules or the American Arbitration Association. The arbitration will take place in Houston, TX

SEVERABILITY - if any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of

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the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Haliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest

allowed by applicable law. dent allowed by applicable law. modifications should be directed to the Vice President - Legal. 4100 Clinton Drive, Houston, TX 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHIC	CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH
CUSTOMER ACKNOWLEDGER IS CONSPICUOUS AND AFFORDS FAIR A	IND ADEQUATE NOTICE AND I REPRESENT THAT FAM AUTHORIZED
TO SIGN THE SAME AS CUSTOMER'S AGENT	DATE: 1-25-00 TIME: 1600 A.M.M
Customer Acceptance of Materials and Services	
THE CUSTOMER HEREBY CXNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED	CUSTOMER Authorized Signatory
ORDER NUMBER 333441	الله المحمد ا محمد المحمد ال محمد المحمد ا