STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION COMMISSION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN LLC FOR APPROVAL OF A SALTWATER DISPOSAL WELL, LEA COUNTY, NEW MEXICO.

COMM. CASE NO. 24123

APPLICATIONS OF GOODNIGHT MIDSTREAM PERMIAN LLC FOR APPROVAL OF SALTWATER DISPOSAL WELLS, LEA COUNTY, NEW MEXICO.

DIV. CASE NOS. 23614-23617

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC TO AMEND ORDER NO. R-22026/SWD-2403 TO INCREASE THE APPROVED INJECTION RATE IN ITS ANDRE DAWSON SWD #1, LEA COUNTY, NEW MEXICO.

DIV. CASE NO. 23775

APPLICATIONS OF EMPIRE NEW MEXICO LLC TO REVOKE INJECTION AUTHORITY, LEA COUNTY, NEW MEXICO.

DIV. CASE NOS. 24018-24020, 24025

EMPIRE NEW MEXICO LLC'S CROSS EXAMINATION EXHIBIT NO. 12

Empire New Mexico, LLC, through its undersigned counsel, submits its Cross Examination Exhibit No. 12, the workover report on the Ryno SWD 1, which was admitted into the record during the hearing in these matters on May 20, 2025.

Respectfully submitted,

By: /s/ Dana S. Hardy

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CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served on the following counsel of record by electronic mail on May 22, 2025.

/s/ Dana S. Hardy

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Attorneys for Intervenor Goodnight Midstream, LLC



BRUIN	IGTON EN	GINEER	KING, LLC	, 	DAILY V	NORKO	VER F	REPORT				
Date:	10/19/24	Ope	erator:		Inight Mid			Well Name:		Ryno	SWD 1	
Field:	San Ar		County:		, NM	Consult		Ronnie M	cWhirter	Phone:		930-0282
	Operation:		paring to re					Contractor 8			Mesa 21	
	on Casing		7"	Depth:		556'	Wt.:	26 lb/ft	Grade:	HCL80	PBTD:	5625'
ubing C		-1/2"	Wt:	11.6 lb/ft		L80	Coup			rfs:	4380' -	
				•	•	•	•	<u> </u>		•		
From	То	Hrs										
7:00	8:30	1.5	Arrived at I	ocation, r	net with C	Goodnigh	t, Amer	ican safety, R	enegade slid	ckline crew	, and Mes	a.
			Held safety	/ orientati	on. Checl	ked casin	g and	tubing pressur	es, both at 0) psi.		
8:30	9:00	0.5						up 2.86" gau		•		
9:00	10:30	1.5						with gauge rir		acker at 43	337' renair	red slickline
9.00		1.5	by tightenir	ng chain d	on drum. l	Pulled ou	t of hol	e with gauge i	ing, fluid lev	el at 900'.	•	
10:30	11:00	0.5	Went in ho	le with 2.	75" R plu	g and set	below	packer, pulled	out of hole	with slicklir	ne and set	ting tool.
11:00	12:00	1.0	Calculated	15 bbls c	of fluid to	fill pipe, p	umped	l 20 bbls dowr	tubing and	caught pre	ssure. Inc	creased
			pressure to	500 psi.	Pressure	was dro	pping c	off, tied into ca	sing and pur	nped 9 bbl	s to 500 p	si.
12:00	12:30	0.5	-					00 psi for 15 r			•	
12:30	13:00	0.5						and Renegade				
											wa alı fua a	مائنید ام مالیین
13:00	14:00	1.0	-				-	on tree from tu				•
	45.55						iead te	ch and ordere	u nange spli	uer tool to	separate f	ianges.
14:00	16:00	2.0	Waited on									
16:00	17:00	1.0	Used Enco	re tool to	separate	and rem	ove tre	e from tubing	hanger, lots	of scale ar	nd rust on	top tubing
			and flange,	, sent tree	e back to	Encore fo	or repai	rs and clean ເ	ıp.			
17:00	18:30	1.5	Nippled up	BOPs, te	ested blind	d rams to	1500 r	osi, good test.				
18:30	7:00	12.5	Shut down					, 3				
10.00		12.0	01101 001111									
			Received a	and unloa	ded 119 j	oints 4-1	/2" 11.6	b/ft L-80 BT	C lined tubin	g yellow ba	and, 1 - 4-1	1/2" pup ioir
											,	
			Cleaned, d	rifted and	l tallied w	ith Bodar	k servi	ces (4705.58')	+ 10.09 pup	jt.	,	
			Cleaned, d	rifted and	I tallied w	ith Bodar	k servi	ces (4705.58')	+ 10.09 pup) jt.	,	
			Cleaned, d	rifted and	I tallied w	ith Bodar	k servi	ces (4705.58')	+ 10.09 pup) jt.		
		24.0	Cleaned, d	rifted and	I tallied w	ith Bodar	k servid	ces (4705.58')	+ 10.09 pup) jt.		
		24.0 Tubin			I tallied w	ith Bodar	k servid	ces (4705.58')				
Otv	OD ID		g Setting & B							over Cost		
Qty	OD ID				Length	Top	Intangi	bles			Daily	Cumulative
Qty	OD ID		g Setting & B				Intangi Loca	bles tion				
Qty	OD ID		g Setting & B				Intangi Loca Rig N	bles tion Mobilization		over Cost	Daily	Cumulative
Qty	OD ID		g Setting & B				Intangi Loca Rig M	bles tion		over Cost		Cumulative
Qty	OD ID		g Setting & B				Intangi Loca Rig M	bles tion Mobilization Day Work		over Cost	Daily	Cumulative
Qty	OD ID		g Setting & B				Intangi Loca Rig N Rig D Mud Wate	bles tion Mobilization Day Work	Workd	over Cost	Daily	Cumulative
Qty	OD ID		g Setting & B				Intangi Loca Rig N Rig D Mud Wate Ceme	bles tion Mobilization Day Work r enting Servi	Workd	over Cost	Daily 4,929.00	Cumulative
Qty	OD ID		g Setting & B				Intangi Loca Rig N Rig D Mud Wate Ceme	bles tion Mobilization Day Work	Workd	over Cost	Daily	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig N Rig D Mud Wate Ceme	bles tion Mobilization Day Work r enting Servi	Workd	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig Mud Wate Ceme Equij Bits	bles tion Mobilization Day Work r enting Servi	Workd	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig N Rig C Mud Wate Cemo Equip Bits Case	bles tion Mobilization Day Work renting Servionment Renta	Workd	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	bles tion Mobilization Day Work renting Service oment Renta	Worke	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Cemo Equi Bits Case Wirel Prod	bles tion Mobilization Day Work renting Servionent Renta d Hole Logs line Services uction Testi	Worke	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stim	bles tion Mobilization Day Work renting Services oment Renta d Hole Logs ine Services uction Testi	Worke	over Cost	Daily 4,929.00	Cumulative 4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stimu	bles tion Mobilization Day Work r enting Services ment Renta d Hole Logs ine Services uction Testi	Worke	over Cost	Daily 4,929.00 500.00	4,929.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	bles tion Mobilization Day Work renting Services ment Renta d Hole Logs ine Services uction Testiculation sportation rvision	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Se	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Se	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Se ibles	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc. Tang	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Seibles	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Wate Ceme Equi Bits Case Wirel Prod Stimu Trans Supe Misc. Tang Tubir	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Se ibles ng er	Works	over Cost	Daily 4,929.00 500.00	4,929.0 500.0
Qty	OD ID		g Setting & B				Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack Wellf	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Seibles ing er nead	Workd Ces als & Perf. Sing & BHP	over Cost	Daily 4,929.00 500.00 1,800.00 5,625.00	4,929.0 500.0 1,800.0 15,625.0
Qty	OD ID		g Setting & B	HA			Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack Wellh Cont	bles tion Mobilization Day Work renting Services under Services uction Testiculation sportation rvision Labor & Se ibles ng er	Workd Ces als & Perf. Sing & BHP	over Cost	Daily 4,929.00 500.00	4,929.0 500.0



Date:	GIONEN	GINEE	RING, LLC	<i></i>	DAILY V	WORKO\	VER R	REPORT				
	10/20/24	Ope	erator:			lstream, L		Well Name:		Ryno	SWD 1	
Field:	San An		County:			Consult		Ronnie M	cWhirter	Phone:		930-0282
Present	Operation:	Prep	paring to pul			ubing hea	ad.	Contractor 8	Rig No.:		Mesa 21	9
	on Casing (7"	Depth:		556'	Wt.:	26 lb/ft	Grade:	HCL80	PBTD:	5625'
ubing C			Wt:	<u> </u>	Grade:		Coup	ling:	Pe	erfs:	4380'	- 5560'
From	То	Hrs										
7:00	8:00	1.0	Arrived at I	ocation, v	vaited on	daylight						
8:00	8:30	0.5	Conducted	Goodnig	ht Midstre	am orien	tation	with Mesquite	Tool hand a	nd Byrd po	ower tong	crews.
8:30	9:00	0.5	Rigged up	lay down	machine	and power	er tong	s.				
9:00	12:00	3.0	Waited on									
12:00	13:00	1.0	Worked tul	bing to fin	d neutral	weight, to	ırned t	ubing to right	12 rounds a	nd unlatch	ed and rele	eased
								d up to circulat				
13:00	14:30	1.5						at 5 bpm for 2		ırns were i	clean after	one
10.00	11.00	1.0	circulation				JO GINE	at o spin for 2	00 0010, 1010	arrio woro	Jiodii ditoi	0110
14.20	18:30	4.0		• •		107 join	to of tu	bing and 2 pu	n jointo while	o looking f	or correcte	n holos or
14:30	10.30	4.0										
								wer tongs and				
								threads starting	ng to break a	and separa	ate, liner da	amage on
								see any holes.				
						า with Me	squite	tool hand for r	epairs and r	edress.		
18:30	7:00	12.5	Shut down	for night.								
	ļ											
		24.0										
		24.0 Tubir	ng Setting & B	НА					Worke	over Cost		
Otv	OD ID		ng Setting & B	НА	Length	Ton	Intangi	hias	Worko	over Cost	Daily	Cumulative
Qty	OD ID		ng Setting & B	НА	Length	Тор	Intangi		Worko	over Cost	Daily	Cumulative
Qty	OD ID			НА	Length	Тор	Loca	tion	Worko	over Cost	Daily	Cumulative
Qty	OD ID			НА	Length	Тор	Loca Rig M	tion Iobilization	Worke	over Cost	-	
Qty	OD ID			НА	Length	Тор	Loca Rig M Rig D	tion	Worko	over Cost	Daily 7,600.00	
Qty	OD ID			НА	Length	Тор	Loca Rig M Rig D Mud	tion Mobilization Day Work	Worko	over Cost	-	Cumulative 12,529.0
Qty	OD ID			НА	Length	Тор	Loca Rig N Rig D Mud Wate	tion Mobilization Day Work		over Cost	-	
Qty	OD ID			НА	Length	Тор	Loca Rig N Rig D Mud Wate	tion Mobilization Day Work		over Cost	-	
Qty	OD ID			на	Length	Тор	Rig N Rig D Mud Wate Ceme	tion Mobilization Day Work	ces	over Cost	-	12,529.
Qty	OD ID			на	Length	Тор	Rig N Rig D Mud Wate Ceme	tion Mobilization Day Work r enting Servi	ces	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Loca Rig N Rig D Mud Wate Ceme Equip Bits	tion Mobilization Day Work r enting Servionment Renta	ces	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case	tion Mobilization Day Work r enting Servi	ces ils	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization Day Work r enting Servicement Renta d Hole Logs line Services	ces ils & Perf.	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod	tion Mobilization Day Work r enting Servicement Renta d Hole Logs line Services uction Testi	ces ils & Perf.	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stim	tion Mobilization Day Work renting Service Dement Renta d Hole Logs line Services uction Testiculation	ces ils & Perf.	over Cost	7,600.00	12,529.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu	tion Mobilization Day Work renting Service oment Renta d Hole Logs ine Services uction Testination sportation	ces ils & Perf.	over Cost	7,600.00	12,529. 850.
Qty	OD ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	tion Mobilization Day Work renting Servicement Renta d Hole Logs line Services uction Testiculation sportation rvision	ces ils & Perf. s		7,600.00	12,529. 850. 3,600.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc.	tion Mobilization Day Work renting Servicement Renta d Hole Logs line Services uction Testiculation sportation rvision Labor & Se	ces ils & Perf. s		7,600.00	12,529. 850. 3,600.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc. Tang	tion Mobilization Day Work r enting Service ment Renta d Hole Logs ine Services uction Testiculation sportation rvision Labor & Se ibles	ces ils & Perf. s		7,600.00	12,529. 850. 3,600.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir	tion Mobilization Day Work renting Service ment Renta d Hole Logs ine Services uction Testiculation sportation rvision Labor & Se ibles	ces ils & Perf. s		7,600.00	12,529. 850. 3,600.
Qty	OD ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack	tion Mobilization Day Work renting Service ment Renta d Hole Logs ine Services uction Testiculation sportation rvision Labor & Se ibles ng er	ces ils & Perf. s		7,600.00	12,529. 850. 3,600.
Qty	OD ID			HA	Length	Тор	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir	tion Mobilization Day Work renting Service ment Renta d Hole Logs ine Services uction Testiculation sportation rvision Labor & Se ibles ng er	ces ils & Perf. s		7,600.00	
Qty	OD ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc. Tang Tubir Pack Wellf	tion Mobilization Day Work renting Service ment Renta d Hole Logs ine Services uction Testiculation sportation rvision Labor & Se ibles ng er	ces als & Perf. ong & BHP		7,600.00	12,529. 850.



BRUIN									REPOF	` i					
Date:	10/2	1/24	Ope	erator:		night Mid			Well		Τ		Ryr	no SWD 1	
Field:		San Ar		County:		, NM	Consult			nnie N	1cWhi	rter	Phone:		930-0282
Present	Opera	ation:		Attempting	g to unlate	h from p	acker.		Contr	actor	& Rig	No.:		Mesa 21	9
Producti				7"	Depth:		556'	Wt.:		lb/ft		ade:	HCL8	0 PBTD :	5625'
Tubing C			-1/2"	Wt:	11.6	Grade:		Coup			ГС		erfs:	4380'	
				•									'		
From	T	0	Hrs												
7:00	8:0	00	1.0	Arrived at I	ocation, c	onducted	d Goodni	ght Mid	stream	Orien	tation	for nev	v hands,	held safety i	neeting
				with all per											
8:00	9.4	30	1.5			s ninnla ı	In Crew	Ninnler	l down	and lif	ted RC)Pe F	ncore we	ellhead tech i	nenected
0.00	- 5.		1.5											run hanger a	
				using tubin		iger. Dec	ision was	mauc	то герг	acc 30	ais oii	Harige	i and ic	run nanger a	na continue
0.00	14		0.0			. (. 1 (. 4	500	-141 . B.4		111	1	1 4 .			
9:30		:30	2.0	Nippled up											
11:30	19:	:00	7.5	-										nts of 4-1/2",	
											ng do _l	oe. Ma	de up wi	th torque tur	n
				at 25 rpms	with aver	age mak	e up torq	ue 350	0 ft-lbs						
				Tagged an	d stung in	ito packe	r for spac	ce out r	neasur	ement	, atten	pted t	o unlatch	n from packe	r to space
												•		74k lbs. Tu	•
	<u> </u>													the tubing,	
	<u> </u>												-		
	<u> </u>													utilize powe	
				swivel and	-	o release	. Mesa w	ıll bring	swive	ı and c	perato	r in the	e mornin	g.	
19:00	7:0	00	12.0	Shut down	for night.										
	1														
				1											
			24.0												
			24.0	a Settina & B	на			1				Works	over Cost		
Otv	On	ID		g Setting & B	НА	Length	Ton	Intanci	hies			Worke	over Cost	Daily	Cumulative
Qty	OD	ID		g Setting & B Description	HA	Length	Тор	Intangi				Worke	over Cost	Daily	Cumulative
Qty	OD	ID			НА	Length	Тор	Loca	tion	zatio -		Worko	over Cost	Daily	Cumulative
Qty	OD	ID			HA	Length	Тор	Loca Rig N	tion Iobiliz			Worko	over Cost		
Qty	OD	ID			НА	Length	Тор	Loca Rig M	tion			Worke	over Cost	Daily 5,275.00	
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D	tion Iobiliz Day Wo			Worko	over Cost	5,275.00	17,804.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate	tion Iobiliz Day Wo	ork		Worke	over Cost		17,804.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate	tion Iobiliz Day Wo	ork	ices	Worke	over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Cem	tion Iobiliz Day Wo	ork Serv		Works	over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Cem	tion Mobiliz Day Wo r enting	ork Serv		Worke	over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme	tion Mobiliz Day We er enting pment	ork Serv	als		over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Rig Mud Wate Ceme Equi Bits Case	tion Mobilized Day Wo r enting pment	Serv Rent	als s & Po		over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Rig Mud Wate Ceme Equi Bits Case	tion Mobilize Day Wo r enting pment d Hold line Se	Service	als s & Po s	erf.	over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Rig Mud Wate Ceme Equi Bits Case Wire	tion Mobiliz Day Wo r enting pment d Hold line Se uction	Service	als s & Po s	erf.	over Cost	5,275.00	17,804.0
Qty	OD	ID			HA	Length	Тор	Rig Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation	Service E Logaryice Or Test	als s & Po s	erf.	over Cost	5,275.00 1,500.00 500.00	17,804.0 1,500.0 1,350.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stime	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation sporta	Service E Logaryice Test	als s & Po s	erf.	over Cost	5,275.00 1,500.00 500.00	17,804.0 1,500.0 1,350.0
Qty	OD	ID			HA	Length	Тор	Rig Med Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation sporta	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00	17,804. 1,500. 1,350.
Qty	OD	ID			HA	Length	Тор	Rig Med Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation sporta	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00	17,804.0 1,500.0 1,350.0 650.0 5,400.0
Qty	OD	ID			HA	Length	Тор	Rig Mad Wate Ceme Equi Bits Case Wire Prod Stime Trans	renting oment define Se uction sporta	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00 650.00 1,800.00	17,804.0 1,500.0 1,350.0 650.0 5,400.0
Qty	OD	ID			HA	Length	Top	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang	tion Mobilization The properties of Hole In the Security of Hole In the Securi	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00 650.00 1,800.00 15,200.00	17,804.0 1,500.0 1,350.0 650.0 5,400.0 44,075.0
Qty	OD	ID			HA	Length	Тор	Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubit	renting pment d Hold ine Secuction ulation sportary ibles	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00 650.00 1,800.00 15,200.00 5,665.00	17,804.0 1,500.0 1,350.0 5,400.0 44,075.0 5,665.0
Qty	OD	ID			HA	Length	Тор	Rig M Rig D Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubid	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation sporta rvisio Labo ibles ng er	Service Logervice Test	als s & Po s ing &	erf.	over Cost	5,275.00 1,500.00 500.00 650.00 1,800.00 15,200.00 5,665.00 4,723.00	17,804.0 1,500.0 1,350.0 5,400.0 44,075.0 5,665.0 4,723.0
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir Pack Well	renting pment d Hold ine Se uction ulation sporta irvisio. Labo ibles ng er nead	Service a Test ation br & Se	als s & Pes ing &	erf.	over Cost	5,275.00 1,500.00 500.00 500.00 1,800.00 15,200.00 5,665.00 4,723.00 3,610.00	17,804.0 1,500.0 1,350.0 5,400.0 44,075.0 5,665.0 4,723.0 3,610.0
Qty	OD	ID				Length	Тор	Rig Med Wate Ceme Equi Bits Case Wire Stime Trans Tubic Tang Tubic Pack Welli Cont	tion Mobiliz Day Wo r enting pment d Hold line Se uction ulation sporta rvisio Labo ibles ng er	Service Logarition In Service Service Service In Test	als s & Pes ing &	erf.	over Cost	5,275.00 1,500.00 500.00 650.00 1,800.00 15,200.00 5,665.00 4,723.00	650.0 1,350.0 1,350.0 44,075.0 5,665.0 4,723.0 3,610.0 8,477.7 93,254.7



	GIU	IN EIN	GINEE	RING, LLC		DAILY W	VORKO	VER F	REPORT				
Date:	10/2	2/24	Op	erator:		night Mids			Well Name:		Rvno	SWD 1	
Field:		San An		County:			Consult		Ronnie M	ı IcWhirter	Phone:		930-0282
Present				shut in, waitir					Contractor			Mesa 21	
roducti				7"	Depth:	10,5	•	Wt.:	26 lb/ft	Grade:	HCL80	PBTD:	5625'
ubing (-1/2"	Wt:	11.6	Grade:	L-80	Coup	ling: B1	C Pe	erfs:		- 5560'
		•								•	•		
From	Т	o	Hrs										
7:00	8:	30	1.5	Held safety	meeting	with all cr	ews and	perso	nnel, rigged u	p power swiv	/el.		
8:30	9:	00	0.5	Rotated and	d worked	tubing, la	tch asse	mbly re	eleased at 14l	lbs over str	ing weight		
9:00	9:	30	0.5	Rigged dow	n and lo	aded out i	power sw	/ivel, ri	gged up Byrd	power tongs	<u> </u>		
9:30		:30	1.0						oly off of old tu			joint tubing	ı, made up
									8' & 10' = 22.2				,, <u> </u>
10:30	11	:30	1.0	Waited on v			<u> </u>			,			
11:30		:30	1.0				water with	n nack	er fluid at 4 bp	ım			
12:30		:00	0.5	-				-	, landed tubin		oc compros	scion	
									•	<u> </u>			
13:00	14	:00	1.0				iger asse	mbly,	rigged down E	syra power to	ongs and r	eleased, fi	ggea up
				Monahans t									
14:00		:30	0.5			•			n chart, good t				
14:30	17	:00	2.5					kover r	ig, installed aı	nd nippled up	o replacem	nent tree ai	nd flowline,
				released all	equipme	ent. Shut i	n well.						
				Waiting to p	oull plug a	and perfor	rm MIT te	est.					
				<u> </u>		•							
				Notes:									
					ining on	tubing add	de 1 5 lbs	o/ft and	I reduces ID b	v 0.250"			
				Tubing han					rieduces iD L	y 0.230			
					<u> </u>				0.40				
									0-12 rounds t				
						g, entire in	jection tr	ee was	s replaced wit	n 5000 psi, E	E-0.5 mai	n valves w	ith Xylan
				coating by E	Encore								
				Top connec		ree is 4-1/	16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	/16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	/16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	/16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	/16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	16" 5000) psi fla	ange with 4-1/.	2" 8R EUE th	nreads		
				Top connec		ree is 4-1/	16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
			10.0	Top connect		ree is 4-1/	(16" 5000) psi fla	ange with 4-1/	2" 8R EUE th	nreads		
				Top connect	ction on t	ree is 4-1/	(16" 5000) psi fla	ange with 4-1/		nreads		
Qty	OD	ID			ction on t	ree is 4-1/	716" 5000 Top) psi fla				Daily	Cumulativ
Qty	OD	ID		g Setting & BH	ction on t				bles			Daily	Cumulativ
Qty 1	OD	ID		g Setting & BI	tion on to	Length	Тор	Intangi	bles tion			Daily	Cumulativ
•	OD 4.5"	ID 3.75"	Tubir	ng Setting & BI-Description	tion on to	Length 20.00	Top 20.00	Intangi Loca Rig M	bles			Daily 4,929.00	
1	4.5"	3.75"	Tubir 4-1/2"	ng Setting & BF Description KB Tubing hanger 11.6 lb/ft L80 B	HA	Length 20.00 0.60 38.35	Top 20.00 20.60	Intangi Loca Rig M	bles tion Mobilization				
1 1 1	4.5"	3.75" 3.75"	4-1/2" 4-1/2" 11	ng Setting & BF Description KB Tubing hanger 11.6 lb/ft L80 BTC	TC FG FG pup jt	Length 20.00 0.60 38.35 10.10	Top 20.00 20.60 58.95	Intangi Loca Rig Mud	bles tion Mobilization Day Work			4,929.00	22,733.
1 1 1	4.5" 4.5" 4.5"	3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11 4-1/2" 11	g Setting & BH Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt	Length 20.00 0.60 38.35 10.10 8.60	Top 20.00 20.60 58.95 69.05	Intangi Loca Rig N Rig C Mud	bles tion Mobilization Day Work	Works			22,733.
1 1 1 1	4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt	Length 20.00 0.60 38.35 10.10 8.60 4.10	Top 20.00 20.60 58.95 69.05 77.65	Intangi Loca Rig M Rig I Mud Wate	bles tion Mobilization Day Work er enting Servi	Workd	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt TC FG	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88	Top 20.00 20.60 58.95 69.05 77.65 81.75	Intangi Loca Rig M Rig D Mud Wate Ceme	bles tion Mobilization Day Work	Workd	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2"	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt TC FG le (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63	Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits	bles tion Mobilization Day Work er enting Servi	Workd	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" 4-1/2" 4-1/2" 8T	g Setting & BH Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C X 3-1/2" 8R El	TC FG FG pup jt FG pup jt TC FG UE (ss) UE xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case	bles tion Mobilization Day Work er enting Servi pment Rent	Works ces als s & Perf.	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" BT 3-1/2	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 21.6 lb/ft L80 BTC 22.81" F nippl	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85	Intangi Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire	bles tion Mobilization Day Work er enting Servi pment Renta	worke	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 108 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 3-1/2" 8R	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 7 lb/ft L80 BTC 11.6	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53	Top 20.00 20.60 58.95 69.05 77.65 4353.63 4354.23 4354.85 4355.74	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod	bles tion Mobilization Day Work enting Servi pment Renta	worke	over Cost	4,929.00	22,733. 3,000.
1 1 1 1 1 108 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 2.81" 3.06" 4.25"	4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T 4-1/2" 8R 5" x 4" at	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C 11.6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.85 4355.74 4356.27	Intangi Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stim	bles tion Mobilization Day Work enting Servi pment Renta d Hole Logs line Service uction Testi ulation	worke	over Cost	4,929.00 1,500.00 18,396.00	22,733. 3,000. 19,746.
1 1 1 1 1 108 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9"	3.75" 3.75" 3.75" 3.75" 4.0" 2.81" 3.06" 4.25" 4.25"	4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" BT 3-1/2" 8R 5" x 4" au x 5" x 4" du	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stim	bles tion Mobilization Day Work er enting Servi pment Rental ed Hole Logs line Services uction Testi ulation sportation	worke	over Cost	4,929.00 1,500.00 18,396.00 2,150.00	22,733. 3,000. 19,746.
1 1 1 1 1 108 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T 3-1/2 3-1/2" 8R 5" x 4" au x 5" x 4" du	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 21.6 lb/ft L80 BTC 22.81" F nippl EUE x 4-1/2" L' 12.10chor latch seal all bore Permap 200 x x 3-1/2" EUI	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ask packer (Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	bles tion Mobilization Day Work er enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00	22,733 3,000 19,746 2,800 7,200
1 1 1 1 1 108 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9"	3.75" 3.75" 3.75" 3.75" 4.0" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T 3-1/2 3-1/2" 8R 5" x 4" au x 5" x 4" du	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ask packer (Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	Top 20.00 20.60 58.95 69.05 77.65 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43	Intangi Loca Rig M Rig C Mud Wate Cemui Bits Case Wire Prod Stime Trans Supe Misc	bles tion Mobilization Day Work er enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision Labor & Se	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00	22,733 3,000 19,746 2,800 7,200
1 1 1 1 1 108 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 1 4-1/2" 4-1/2" BT 3-1/2" 8R 5" x 4" au x 5" x 4" du1/2" LTC	g Setting & BI- Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 21.6 lb/ft L80 BTC 22.81" F nippl EUE x 4-1/2" L' 12.10chor latch seal all bore Permap 200 x x 3-1/2" EUI	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.110 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99	Intangi Loca Rig M Rig C Mud Wate Cemui Bits Case Wire Prod Stime Trans Supe Misc	bles tion Mobilization Day Work er enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision Labor & Se	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00	22,733. 3,000. 19,746. 2,800. 7,200.
1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T: 3-1/2" 8R 5" x 4" au x 5" x 4" du -1/2" LTC	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	Top 20.00 20.60 58.95 69.05 77.65 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43	Intangi Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang	bles tion Mobilization Day Work enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision Labor & Se libles	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00	22,733. 3,000. 19,746. 2,800. 7,200. 55,132.
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T: 3-1/2" 8R 5" x 4" au x 5" x 4" du -1/2" LTC	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	Top 20.00 20.60 58.95 69.05 77.65 4353.63 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03	Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir	bles tion Mobilization Day Work er enting Service pment Renta ed Hole Logs line Service uction Testi ulation sportation ervision Labor & Se libles	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00 11,057.00	22,733. 3,000. 19,746. 2,800. 7,200. 55,132. 9,881.
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T: 3-1/2" 8R 5" x 4" au x 5" x 4" du -1/2" LTC	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43 4368.03 4368.03	Intangi Loca Rig M Rig D Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir	bles tion Mobilization Day Work er enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision Labor & Se libles ng er	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00 11,057.00	22,733. 3,000. 19,746. 2,800. 7,200. 55,132. 9,881. 4,723. 3,610.
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 8T: 3-1/2" 8R 5" x 4" au x 5" x 4" du -1/2" LTC	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	Length 20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	Top 20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43 4368.03 4368.03	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack Welli	bles tion Mobilization Day Work er enting Service pment Renta d Hole Logs line Service uction Testi ulation sportation ervision Labor & Se libles ng er	ces als & Perf. s ng & BHP	over Cost	4,929.00 1,500.00 18,396.00 2,150.00 1,800.00 11,057.00	22,733. 3,000. 19,746. 2,800. 7,200. 55,132. 9,881. 4,723.



Data	10/0	1/24	0-	orator:		DAILY V			Well Na			D\"	10 SWD 1	
Date: Field:		24/24 San Ar		erator:		Inight Mid , NM	Consult			me: nie McWh	irtor	Phone:	no SWD 1	020 0202
				County:				ant:				Pnone:	903-	930-0282
resent				Vell released				1 344		tor & Rig		11010	0 BBEB	50051
roducti				7"	Depth:		556'	Wt.:	26 lb		rade:	HCL8		5625'
ubing C	טט:	4	-1/2"	Wt:	11.6	Grade:	L-80	Coup	ling:	BTC	Pe	erfs:	4380	- 5560'
_														
From		o	Hrs											
7:00	7:	30	0.5							slickline	crew a	nd Mona	hans Nipple	Up.
7:30	8:	00	0.5	Rigged up	slickline t	ruck. SITI	P = 0 psi,	SICP:	= 0 psi.					
8:00	10	:30	2.5	Retrieved 2	.75" R pl	ug set in	packer, w	ell on v	vacuum,	rigged do	wn and	release	d slickline tru	ıck.
10:30	12	:00	1.5	Rigged up I		s test truc	ck. opene	ed valve	es to che	ck pressu	res and	l bleed o	ff, surface ca	asina
													s. Caught wa	
				for analysis		<u> </u>			<u> </u>		· · ·		<u> </u>	<u> </u>
12:00	11	:00	2.0			ut gong r	raigad 2" I	ino on	ourfooo (ooina wit	h valva	o and pr	essure gauge	o to top of
12:00	14	.00	2.0											e to top or
				ground, ope										
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				Tied onto ca	asing val	ve for 4-1	/2" x 7" a	nnulus	and pres	ssured up	to 540	psi for 3	0 minutes, p	er NM OC
													ahans repres	
				Goodnight I						,,		,		
15:00	40	.00	1.0							d wall be	ok over	to Cood	night Midstre	om for
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Qty	OD	ID		Description	1A	Length 20.00	Тор	Intangii			Worke	over Cost	Daily	Cumulativ
	OD	ID		Description KB		20.00	-	Loca	tion	tion	Worke	over Cost	Daily	Cumulati
1	-		Tubir	Description KB Tubing hanger		20.00 0.60	20.00	Local Rig M	tion Iobiliza		Worke	over Cost	Daily	
1	4.5"	3.75"	Tubir 4-1/2"	Description KB Tubing hanger 11.6 lb/ft L80 B	TC FG	20.00 0.60 38.35	20.00	Loca Rig M Rig D	tion		Worke	over Cost	Daily	Cumulati ²
1	-		Tubir 4-1/2"	Description KB Tubing hanger	TC FG	20.00 0.60	20.00 20.60 58.95	Local Rig M Rig D Mud	tion Iobiliza Day Wor		Worke	over Cost	Daily	
1	4.5"	3.75"	4-1/2" 4-1/2" 11	Description KB Tubing hanger 11.6 lb/ft L80 B	TC FG FG pup jt	20.00 0.60 38.35	20.00 20.60 58.95	Loca Rig M Rig D	tion Iobiliza Day Wor		Worke	over Cost	Daily	22,733
1 1 1	4.5" 4.5"	3.75" 3.75"	4-1/2" 4-1/2" 11 4-1/2" 11	Description KB Tubing hanger 11.6 lb/ft L80 B 6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt	20.00 0.60 38.35 10.10	20.00 20.60 58.95 69.05	Rig N Rig D Mud Wate	tion Iobiliza Oay Wor		Worke	over Cost	Daily	22,733
1 1 1 1	4.5" 4.5" 4.5"	3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt FG pup jt	20.00 0.60 38.35 10.10 8.60	20.00 20.60 58.95 69.05 77.65	Rig N Rig D Mud Wate Ceme	tion lobiliza Day Wor r enting S	k Services	Worke	over Cost	Daily	22,733
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt FG pup jt TC FG	20.00 0.60 38.35 10.10 8.60 4.10 4271.88	20.00 20.60 58.95 69.05 77.65 81.75	Rig N Rig D Mud Wate Ceme	tion Iobiliza Oay Wor	k Services	Worke	over Cost	Daily	22,733
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2"	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	TC FG FG pup jt FG pup jt FG pup jt TC FG le (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63	Local Rig N Rig D Mud Wate Ceme Equip Bits	tion Mobilization Day Wor r enting Soment R	k Services Rentals		over Cost	Daily	22,733
1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 87.	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C x 3-1/2" 8R E	TC FG FG pup jt FG pup jt FG pup jt TC FG le (ss) UE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Rig Mud Wate Ceme Equip Bits Case	tion Mobilization Day Wor r enting Soment R	k Services Rentals		over Cost		22,733 3,000 19,746
1 1 1 1 1 108 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" BT0 3-1/2	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 21.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.6 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Loca' Rig N Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization oay Work renting Soment Roment Ro	ervices entals ogs & F	Perf.	over Cost	3,385.00	22,733 3,000 19,746 3,385
1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" BT0 3-1/2	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C x 3-1/2" 8R E	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization To Wor renting Soment R d Hole I ine Serviction 1	k Services Rentals	Perf.	over Cost		22,733 3,000 19,746 3,385
1 1 1 1 1 108 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 4-1/2" 3-1/2" 8R	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 21.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.6 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization oay Work renting Soment Roment Ro	ervices entals ogs & F	Perf.	over Cost	3,385.00	22,733 3,000 19,746 3,385
1 1 1 1 1 108 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 8T. 3-1/2" 8R. 5" x 4" ar	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 B BTC TAN nipp C x 3-1/2" 8R E ' x 2.81" F nippl EUE x 4-1/2" L	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	tion Mobilization To Wor renting Soment R d Hole I ine Serviction 1	k Services Sentals Logs & F vices Testing &	Perf.	over Cost	3,385.00	22,733 3,000 19,746 3,385 2,160
1 1 1 1 1 108 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu	tion Mobilization r enting Soment R d Hole I ine Seruction T ulation sportati	k Services Sentals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00	22,733 3,000 19,746 3,385 2,160 2,800
1 1 1 1 1 108 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 87 4-1/2" 87 3-1/2 88 5" x 4" au x 5" x 4" du	Description KB Tubing hanger 11.6 lb/ft L80 B 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/ft	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) le (ss) TC xo (ss) assy (ss) ask packer (20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans	tion Mobilization The senting Soment Reservation The servation Sportation revision	k Services Centals Logs & F vices Testing &	Perf.	over Cost	3,385.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000
1 1 1 1 1 108 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2" 4-1/2" 11 4-1/2" 11 4-1/2" 11 4-1/2" 4-1/2" 4-1/2" BT 3-1/2" 8R 5" x 4" ar x 5" x 4" du	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc.	tion Mobilization To any Work The enting Soment Received The Service To a service T	k Services Sentals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang	tion Mobilization To any Work renting Soment Renting Soment Renting Soment Renting Soment Renting Soment Renting Soment Rention Soment Renting Rention Soment Renting Rention Soment Renting Rention	k Services Centals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00 1,800.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000 55,132
1 1 1 1 1 108 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43 4368.03	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir	tion Mobilization r enting Soment R d Hole I ine Serviction T ulation sportation rvision Labor i ibles	k Services Centals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00 1,800.00 40,000.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000 55,132 49,881
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack	tion Mobilization To any Work The enting Soment Formation In the Service on Toulation Sportation Toulation	k Services Centals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00 1,800.00 40,000.00 19,000.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000 55,132 49,881 23,723
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43 4368.03	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir	tion Mobilization To any Work The enting Soment Formation In the Service on Toulation Sportation Toulation	k Services Centals Logs & F vices Testing &	Perf.	over Cost	3,385.00 2,160.00 1,800.00 40,000.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000 55,132 49,881 23,723
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack Wellh	tion Mobilization To any Work renting Soment Renting Soment Renting Servicion Toulation sportation sportation Labor ibles ing er nead	k Services Sentals Logs & F vices Testing & on	Perf.	over Cost	3,385.00 2,160.00 1,800.00 40,000.00 19,000.00	22,733 3,000 19,746 3,385 2,160
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T: 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6 lb/f	TC FG FG pup jt FG pup jt TC FG le (ss) UE xo (ss) e (ss) TC xo (ss) assy (ss) ak packer (E pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03 4368.93 4369.59	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir Pack Wellh Conti	tion Mobilization To any Work The enting Soment Formation In the Service on Toulation Sportation Toulation	k Services Sentals Logs & F vices Testing & on	Perf.	over Cost	3,385.00 2,160.00 1,800.00 40,000.00 19,000.00 45,000.00	22,733 3,000 19,746 3,385 2,160 2,800 9,000 55,132 49,883 23,723 48,610



Date:	10/3	31/24	On	erator:		DAILY V			Well Na			D./	no SWD 1	
Date: Field:		San Ar		County:			Consult			me: nie McWh	irter	Phone		930-0282
			lares				Consult	ant:				Phone		
resent					aiting on			1		tor & Rig		11016	Mesa Rig 2	
roducti				7"	Depth:	10,		Wt.:	26 lb		rade:	HCL		5625'
ıbing (OD:	4	-1/2"	Wt:	11.6	Grade:	L-80	Coup	ling:	BTC	Pe	erfs:	4380' -	- 5560'
From	Т	Го	Hrs											
8:00	8:	:30	0.5	Arrived at le	ocation, h	eld safety	/ meeting	and G	oodnigh	orientation	n for fi	ve empl	oyees, attend	ed by
	1												d Bruington E	
0.20	11	:00	2.5			-							sing, nippled	
8:30	''	.00	2.5											uowii alio
				removed in	•			-	ıp / 1/16	5000 psi	double	ram bo	ps.	
				Moved in a	ınd rigged	up Mesa	Rig 219.							
11:00	12	2:30	1.5	Rigged up	Byrd's lay	down ma	achine ar	nd pow	er tongs.					
12:30	2:	:30	2.0	Waited on	test plua f	for bops.	Tested be	ops to	1500 psi	for 15 mir	nutes (aood tes	st).	
		:00				-		-					nlatched asse	ambly.
2:30	0.	.00	5.5											
				from packe	er. Pulled t	tubing an	d inspect	ed con	nections	while layi	ng dow	n. Broke	out with tong	gs and
				rotated at n	no more th	nan 25 rpi	ทร							
								26 ho	x ends a	nd 13 nin	ends F	ecision)	was made to	find
	+									-				
				a replacem									rate.	
	<u>L</u>			Closed blin	nd rams ar	nd secure	ed well. R	elease	d hands	and shut o	down fo	r night.		
	-													
	1													
	-													
	1													
	1													
			12.0											
				q Setting & Bl	HA						Work	over Cos	t	
Otv	OD	T in		g Setting & Bl	НА	Length	Ton	Intanci	hies		Worke	over Cost		Cumulați
Qty	OD	ID		Description	HA	Length	Тор	Intangi			Worke	over Cos	t Daily	Cumulati
<u> </u>	OD	ID		Description KB		20.00	•	Loca	tion		Worke	over Cos		Cumulati
Qty 1	OD	ID	Tubin	Description KB Tubing hanger	r		20.00	Loca Rig N	tion Iobiliza		Worke	over Cos	Daily	Cumulati
•	OD 4.5"	ID 3.75"	Tubin	Description KB	r	20.00	20.00	Loca Rig N	tion		Worke	over Cos		
1			Tubir 4-1/2"	Description KB Tubing hanger 11.6 lb/ft L80 E	r BTC FG	20.00	20.00	Loca Rig N	tion Iobiliza		Worke	over Cost	Daily	
1 1 1	4.5" 4.5"	3.75" 3.75"	4-1/2" 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 BTC	r BTC FG C FG pup jt	20.00 0.60 38.35 10.10	20.00 20.60 58.95	Loca Rig M Rig D Mud	tion Iobiliza Day Wor		Work	over Cost	5,078.00	27,811
1 1 1 1	4.5" 4.5" 4.5"	3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC	r BTC FG C FG pup jt	20.00 0.60 38.35 10.10 8.60	20.00 20.60 58.95 69.05	Loca Rig N Rig D Mud Wate	tion /lobiliza Day Wor	k	Work	over Cost	Daily	27,811
1 1 1	4.5" 4.5"	3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 E 6 lb/ft L80 BTC	r BTC FG C FG pup jt	20.00 0.60 38.35 10.10	20.00 20.60 58.95 69.05 77.65	Rig Mud Wate	tion Mobilizar Day Wor r enting S	ervices	Work	over Cost	5,078.00 750.00	27,811
1 1 1 1	4.5" 4.5" 4.5"	3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC	r BTC FG C FG pup jt C FG pup jt	20.00 0.60 38.35 10.10 8.60	20.00 20.60 58.95 69.05 77.65	Rig Mud Wate	tion /lobiliza Day Wor	ervices	Works	over Cost	5,078.00	27,811 3,750
1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12.	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC	r BTC FG C FG pup jt C FG pup jt C FG pup jt	20.00 0.60 38.35 10.10 8.60 4.10	20.00 20.60 58.95 69.05 77.65	Loca Rig M Rig D Mud Wate Ceme	tion Mobilizar Day Wor r enting S	ervices	Worke	over Cost	5,078.00 750.00	27,811 3,750
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 4-1/2"	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63	Loca Rig Mig E Mud Wate Ceme Equip Bits	tion Mobilization Day Wor r enting S oment R	ervices entals		over Cost	5,078.00 750.00	27,81° 3,750
1 1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 4-1/	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C x 3-1/2" 8R E	r BTC FG DFG pup jt DFG pup jt DFG pup jt BTC FG Dle (ss) EUE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	20.00 20.60 58.95 69.05 77.65 81.75 4353.63	Rig Mud Wate Ceme Equi Bits Case	tion Mobilization Day Wor r enting S pment R	ervices entals		over Cost	5,078.00 750.00	27,811 3,750 20,546
1 1 1 1 1 1 108 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 4-1/2" 4-1/2" BT0 3-1/2'	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 BTC TAN nipp C x 3-1/2" 8R E 1 x 2.81" F nipp	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss) EUE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wire	tion Mobilization To ay Wor renting Soment Renting Some	ervices entals ogs & P	erf.	over Cost	5,078.00 750.00	27,811 3,750 20,546 3,385
1 1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 4-1/2" 4-1/2" BT0 3-1/2'	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C x 3-1/2" 8R E	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss) EUE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wire	tion Mobilization To ay Wor renting Soment Renting Some	ervices entals	erf.	over Cost	5,078.00 750.00	27,811 3,750 20,546 3,385
1 1 1 1 1 1 108 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 BTC TAN nipp C x 3-1/2" 8R E 1 x 2.81" F nipp	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG cole (ss) EUE xo (ss) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod	tion Mobilization To ay Wor renting Soment Renting Some	ervices entals ogs & P	erf.	over Cost	5,078.00 750.00	27,811 3,750 20,546 3,385
1 1 1 1 1 108 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R 5" x 4" ar	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.3 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.2 lb/ft L80 BTC 15.4 lb/ft L80 BTC 15.4 lb/ft L80 BTC 16.4 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.4 lb/ft L80 BTC 19.4 lb/f	r BTC FG C FG pup jt C FG pup jt BTC FG pole (ss) EUE xo (ss) ole (ss) LTC xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobilization The enting September Forment Former Form	ervices entals Logs & P vices Festing &	erf.	over Cost	5,078.00 750.00	27,811 3,750 20,546 3,385 2,160
1 1 1 1 1 108 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12 X 3-1/2" 8R E 1 X 2.81" F nipp EUE x 4-1/2" L 12 12 12 12 12 12 12 12 12 12 12 12 12 1	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobilization r enting Soment R d Hole I line Serr uction T ulation sportati	ervices entals Logs & P vices Festing &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800
1 1 1 1 1 108 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 E 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 E BTC TAN nipp C x 3-1/2" 8R E ' x 2.81" F nipp EUE x 4-1/2" L chor latch seal all bore Permap	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss) EUE xo (ss) Dle (ss) LTC xo (ss) pak packer (JE pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobilization The senting Section 1 Ulation Section 1 Ulation Section 1 Ulation Section 1	ervices entals ogs & P vices esting &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800 10,800
1 1 1 1 1 108 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12 X 3-1/2" 8R E 1 X 2.81" F nipp EUE x 4-1/2" L 12 12 12 12 12 12 12 12 12 12 12 12 12 1	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss) EUE xo (ss) Dle (ss) LTC xo (ss) pak packer (JE pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobilization The senting Section 1 Ulation Section 1 Ulation Section 1 Ulation Section 1	ervices entals Logs & P vices Festing &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800 10,800
1 1 1 1 1 108 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" BTG 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC B	Description KB Tubing hanger 11.6 lb/ft L80 E 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 E BTC TAN nipp C x 3-1/2" 8R E ' x 2.81" F nipp EUE x 4-1/2" L chor latch seal all bore Permap	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss) EUE xo (ss) JOHN (ss) I assy (ss) pak packer (JE pin xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod Stime Trans Supe Misc	tion Mobilization Tay Wor renting Soment Red Hole I line Serviction Toulation sportation rvision Labor	ervices entals ogs & P vices esting &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800 10,800
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 LB	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss) s) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang	tion Mobilization To any Work The enting September Forment For	ervices entals ogs & P vices esting &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800 10,800 77,797
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 B 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12 x 3-1/2" 8R E 1 x 2.81" F nipp EUE x 4-1/2" L 12 chor latch seal al bore Permap 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss) s) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubin	tion Mobilization r enting Soment R d Hole I line Serviction T ulation sportation rvision Labor dibles	ervices entals ogs & P vices esting &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 2,800 10,800 77,797
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 LB	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss) s) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4355.74 4355.74 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubii Pack	tion Mobilization To any Work The enting Section To the line Service on To the enting Section To the entire of the	ervices entals ogs & P vices esting &	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 10,800 77,797 49,881 23,723
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 LB	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss) s) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin Pack Well	tion Mobilization To any Work The enting Section To a sec	ervices entals Logs & P vices esting & on	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 10,800 77,797 49,881 23,723
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 LB	r BTC FG DFG pup jt DFG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss) s) ole (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin Pack Well	tion Mobilization To any Work The enting Section To the line Service on To the enting Section To the entire of the	ervices entals Logs & P vices esting & on	erf.	over Cost	5,078.00 750.00 800.00	27,811 3,750 20,546 3,385 2,160 10,800 77,797 49,881 23,723 48,610 27,126
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 LB	r BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dele (ss) EUE xo (ss) I assy (ss) pak packer (JE pin xo (ss s) ple (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03 4368.93 4369.59	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime Trans Supe Misc Tang Tubin Pack Wellh Cont	tion Mobilization To any Work The enting Section To a sec	ervices entals Logs & P vices esting & on	erf.	over Cost	5,078.00 750.00 800.00 1,800.00 22,665.00	27,81 3,75 20,54 3,38 2,16 2,80 10,80 77,79 49,88 23,72 48,61



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1 1	4.5"	3.75"	4-1/2" 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 B 6 lb/ft L80 BTC	BTC FG FG pup jt	20.00 0.60 38.35	20.00 20.60 58.95	Loca Rig M Rig D Mud	tion Iobili Iay W			Worko	over Cost	Daily	32,047.
1 1 1	4.5"	3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11.	Description KB Tubing hanger 11.6 lb/ft L80 B	BTC FG C FG pup jt	20.00 0.60 38.35 10.10	20.00 20.60 58.95 69.05	Loca Rig N Rig D Mud Wate	tion Iobili Day W	ork	Ces	Workc	over Cost	Daily	32,047.
1 1 1 1	4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11.	MB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC	BTC FG C FG pup jt C FG pup jt C FG pup jt	20.00 0.60 38.35 10.10 8.60 4.10	20.00 20.60 58.95 69.05 77.65	Loca Rig N Rig D Mud Wate Ceme	tion Iobili Pay W r enting	ork g Servi		Worko	over Cost	Daily 4,236.00	32,047
1 1 1	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12.	Description KB Tubing hanger 11.6 lb/ft L80 B 6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC	BTC FG BFG pup jt BFG pup jt BFG pup jt BFG FG	20.00 0.60 38.35 10.10 8.60 4.10 4271.88	20.00 20.60 58.95 69.05 77.65 81.75	Loca Rig M Rig D Mud Wate Ceme Equip	tion Iobili Pay W r enting	ork		Worko	over Cost	Daily	32,047
1 1 1 1 1 1 108	4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 4-1/2"	ME Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC TAN nipp	BTC FG C FG pup jt C FG pup jt C FG pup jt C FG pup jt BTC FG	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63	Loca Rig M Rig D Mud Wate Ceme Equip Bits	tion Jobili Jay W r enting	ork g Servi t Renta	ls		over Cost	Daily 4,236.00	32,047
1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 4-1/	Description KB Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC C x 3-1/2" 8R E	BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Dle (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case	tion Mobili Day W r enting omen	ork g Servi t Renta e Logs	ls & Pe		over Cost	Daily 4,236.00	32,047 3,750 20,896
1 1 1 1 1 1 108 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 4-1/2" 4-1/2" BT0 3-1/2'	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.6 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.6 lb/ft L80 BTC 18.7 lb/ft L80 BTC 18.7 lb/ft L80 BTC 18.7 lb/ft L80 BTC 19.8	BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG ole (ss) UE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobili: Day W r enting omen d Hol ine S	ork g Services e Logs ervices	& Pe	erf.	over Cost	Daily 4,236.00	32,047 3,750 20,896 3,385
1 1 1 1 1 108 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 B BTC TAN nipp C x 3-1/2" 8R E ' x 2.81" F nippl EUE x 4-1/2" L	BTC FG C FG pup jt C FG	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobili: Day W r enting omen d Hol ine S uction	g Services e Logs ervices	& Pe	erf.	over Cost	Daily 4,236.00	32,047 3,750 20,896 3,385
1 1 1 1 1 108 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 12. 4-1/2" 3-1/2" 8R 5" x 4" ar	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.6 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6	BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG DIe (ss) UE xo (ss) II assy (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod	tion Mobili Day W r enting omen d Hol ine S uction ulatio	g Services e Logs ervices n Testi	& Pe	erf.	over Cost	Daily 4,236.00	32,047 3,750 20,896 3,385 2,160
1 1 1 1 1 108 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.6 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6	BTC FG C FG pup jt C FG pup jt C FG pup jt BTC FG Ole (ss) GUE xo (ss) Ile (ss) TC xo (ss) Il assy (ss) Oak packer (20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu	tion Mobili: Day W r enting omen d Hol ine S uction ulatio	Services e Logs ervices n Testi	& Pe	erf.	over Cost	4,236.00 350.00	32,047 3,750 20,896 3,385 2,160 2,800
1 1 1 1 1 108 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T0 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 RE 12.8 RE 12.8 RE 12.8 RE 13.8 RE 14.1/2" L' 15.8 RE 15.8 RE 16.8 R	BTC FG DFG pup jt DFG pup jt DFG pup jt BTC FG Dle (ss) DLUE xo (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4363.27 4363.99	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans	tion Mobili: Day W r enting omen d Hol ine S uction ulatio sporta rvisic	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600
1 1 1 1 1 108 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T0 3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) DFC sol	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4357.02 4363.99 4364.43	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc.	tion Mobilia Day W r enting omen d Hol ine S uction ulation sporta rvision Labo	Services e Logs ervices n Testi	& Pe	erf.	over Cost	4,236.00 350.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600
1 1 1 1 1 108 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5"	3.75" 3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) EUE xo (ss) EUE xo (ss) EUE xo (ss) DAG sole packer (se) EUE pin xo (ss) EUE pin xo (ss) EUE (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc. Tang	tion Mobili Day W r enting omen d Hol ine S uction ulatio sporta rvisic Labo ibles	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600 78,112
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) EUE xo (ss) EUE xo (ss) EUE xo (ss) DAG sole packer (se) EUE pin xo (ss) EUE pin xo (ss) EUE (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.53 0.75 6.97 0.44 3.60	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir	tion Mobilist Day W r enting omen d Hol ine S uction ulatio sports rvisic Labo ibles	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600 78,112
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) EUE xo (ss) EUE xo (ss) EUE xo (ss) DAG sole packer (se) EUE pin xo (ss) EUE pin xo (ss) EUE (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir	tion Mobilist Day W r enting omen d Hol ine S uction ulatio sports rvisic Labo ibles	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600 78,112 49,881
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) EUE xo (ss) EUE xo (ss) EUE xo (ss) DAG sole packer (se) EUE pin xo (ss) EUE pin xo (ss) EUE (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir	tion Mobili: Day W r enting omen d Hol ine S uction ulatio sporta rvisic Labo ibles ng er	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600
1 1 1 1 1 108 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 5.25" 5.25" 5.9" 4.5" 3.5"	3.75" 3.75" 3.75" 3.75" 4.0" 3.06" 2.81" 3.06" 4.25" 4.25" 3.06" 2.75"	4-1/2" 4-1/2" 11. 4-1/2" 11. 4-1/2" 11. 4-1/2" 8T(3-1/2" 8R 5" x 4" ar x 5" x 4" du -1/2" LTC I	Tubing hanger 11.6 lb/ft L80 BTC 6 lb/ft L80 BTC 6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 11.6 lb/ft L80 BTC 12.8 lb/ft L80 BTC 13.4 lb/ft L80 BTC 14.6 lb/ft L80 BTC 15.6 lb/ft L80 BTC 16.6 lb/ft L80 BTC 17.4 lb/ft L80 BTC 18.6 lb/ft L80 BTC 19.6	BTC FG DFG pup jt DFG pup jt DFG pup jt DFG pup jt DFG sole (ss) EUE xo (ss) EUE xo (ss) EUE xo (ss) DAG sole packer (se) EUE pin xo (ss) EUE pin xo (ss) EUE (ss)	20.00 0.60 38.35 10.10 8.60 4.10 4271.88 0.60 0.62 0.89 0.75 6.97 0.44 3.60 0.90	20.00 20.60 58.95 69.05 77.65 81.75 4353.63 4354.23 4354.85 4355.74 4356.27 4363.99 4364.43 4368.03 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc. Tang Tubir Pack Wellf	tion flobilists ay W renting omen d Hol ine S uction ulatio sports rvisic Labo ibles ng er nead	g Services e Logs ervices n Testin	& Pe	erf.	over Cost	350.00 1,800.00	32,047 3,750 20,896 3,385 2,160 2,800 12,600 78,112 49,881 23,723 48,610



BRUIN	NGIC					DAIL! !	VURNU	VER F	EPUK	T					
Date:	11/	02/24	Ope	erator:	Good	night Mid	stream, L	LC	Well N	ame:	1		Ry	no SWD 1	
Field:	,	San Ar		County:			Consult		Ro	nnie M	lcWhir	ter	Phone		930-0282
Present	Oper	ration:			new tubin	g and pad	cker		Contra	actor 8	& Rig	No.:		Mesa Rig	219
roduct				7"	Depth:		556'	Wt.:		lb/ft		ade:	HCL8	30 PBTD :	5625'
ubing (I-1/2"	Wt:	11.6	Grade:		Coup		ВТ			erfs:		- 5560'
		•		•			•	·					'		
From	'	То	Hrs												
7:00	12	2:00	5.0	Arrived at I	ocation. h	eld PJSA	with Mes	sa ria c	rew. Lo	aded	out 10	9 ioint	s of 4 1/	/2", 11.60 lb/ft	t. L-80.
	+		-	BTC tubing								-,		,	,,
											·00 P	urd no	wor ton	g crew and to	raua turn
				hand arrive										g crew and to	ique tuiti
	+													Al-HTV	1.40.00
								t noon	nad tro	ouble \	vith io	ading	and left	Abilene TX, a	12:00.
12:00		5:00	5.0	Waited on											
5:00	7	':00	2.0	Unloaded 1	107 joints	of new 4-	-1/2", J-5	5, 11.6	0 lb/ft 8	R, LT	C, P70	0 coat	ed tubir	ng and 2 x/o s	ubs.
				Cleaned, d	Irifted and	tallied tu	bing. Mad	de up 5	"x4" se	al ass	embly	withou	ıt ancho	or latch, 3 1/2'	' x 2.75"
				R nipple, 4	' 3 1/2" pu	ıp joint, 7'	" x 3-1/2"	Arrow	set 1X	packe	r, 2.81	" F nip	ple, 3-1	/2" T2 on/off	skirt,
	+									•			-	b/ft,8R, LTC t	
	+		-												ubing
				(420'). Mad	ae up 11vv	valve an	a ciosea	pipe ra	ıms. Se	curea	weii, s	snut ac	own for i	nignt.	
	+														
	₩														
	+														
			42.0												
			12.0	Catting & D											
				g Setting & B	на							Worke	over Cos		
Qty	OD	ID		g Setting & B Description	HA	Length	Тор	Intangi				Worko	over Cos	t Daily	Cumulative
Qty	OD	ID			HA	Length	Тор	Loca	tion			Worke	over Cos		Cumulative
Qty	OD	ID			HA	Length	Тор	Loca		ation		Worke	over Cos		Cumulativ
Qty	OD	ID			HA	Length	Тор	Loca Rig N	tion			Worke	over Cos		
Qty	OD	ID			HA	Length	Тор	Loca Rig N	tion Iobiliz			Works	over Cos	Daily	
Qty	OD	ID			HA	Length	Тор	Loca Rig N Rig D Mud	tion Iobiliz ay Wo			Worko	over Cos	Daily	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate	tion Iobiliz Pay Wo	ork	COS	Worko	over Cos	Daily	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme	tion lobiliz lay Wo r enting	ork Servi		Worko	over Cos	6,047.00	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme	tion Iobiliz Pay Wo	ork Servi		Worke	over Cos	Daily	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig N Rig C Mud Wate Ceme Equip Bits	tion lobiliz lay Wo r enting oment	Servi Renta	als		over Cos	6,047.00	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case	tion lobilized ay Wo r enting oment	Servi Renta	als s & Pe		over Cos	6,047.00	38,094.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case	tion lobiliz lay Wo r enting oment	Servi Renta	als s & Pe		over Cos	6,047.00	38,094. 3,750. 21,396.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Iobiliz Pay Wo r Penting Denting	Servi Renta Logs	als s & Pe	erf.	over Cos	6,047.00	38,094. 3,750. 21,396. 3,385.
Qty	OD	ID			HA	Length	Тор	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod	tion Iobiliz Pay Wo r Penting Denent d Hole ine Se uction	Servi Renta Logs rvices	als s & Pe	erf.	over Cos	6,047.00	38,094. 3,750. 21,396. 3,385.
			Tubir	Description				Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stim	tion Iobilize The senting The	Servi Renta Logs rvice Testi	als s & Pe	erf.	over Cos	6,047.00 500.00	38,094. 3,750. 21,396. 3,385. 2,160.
1	5.9"	4.25"	Tubir	Description	pak packer (6.97	4357.02	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Iobilize The enting The enti	Servi Renta Logs rvices Testi	als s & Pe	erf.	over Cos	500.00 3,200.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000.
1 1	5.9"	4.25" 3.06"	* 5" x 4" du	Description al bore Permapox x 3-1/2" EU	pak packer (JE pin xo (ss	6.97	4357.02 4363.99	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	tion Iobiliz Pay Wo r enting ment d Hole ine Se uction ulation sporta rvision	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400.
1	5.9" 4.5" 3.5"	4.25" 3.06" 3.06"	x 5" x 4" du	al bore Permapoox x 3-1/2" EU	pak packer (JE pin xo (ss s)	6.97	4357.02 4363.99 4364.43	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc	tion Iobiliz Pay Wo r enting ment d Hole ine Se uction ulation sporta rvision Labor	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400.
1 1	5.9"	4.25" 3.06" 3.06"	x 5" x 4" du	Description al bore Permapox x 3-1/2" EU	pak packer (JE pin xo (ss s)	6.97	4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang	tion Iobiliz Ioy Wo r Penting Denting Denting Coment Ine Secuction Ulation Sporta rvision Labor Labor Ibles	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400.
1 1 1	5.9" 4.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" du	al bore Permapoox x 3-1/2" EU	pak packer (JE pin xo (ss s) ole (ss)	6.97 0.44 3.60	4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang	tion Iobiliz Ioy Wo r Penting Denting Denting Coment Ine Secuction Ulation Sporta rvision Labor Labor Ibles	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400. 95,887.
1 1 1 1 1	5.9" 4.5" 3.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" du	al bore Permapox x 3-1/2" pup jt (ss	pak packer (JE pin xo (ss s) ole (ss)	6.97 0.44 3.60 0.90	4357.02 4363.99 4364.43 4368.03 4368.93	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin	tion Iobiliz Tay Wo renting Toment Id Hole Tine Se Tuction Tulation	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400. 95,887. 49,881.
1 1 1 1 1	5.9" 4.5" 3.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" du	al bore Permapox x 3-1/2" pup jt (ss	pak packer (JE pin xo (ss s) ole (ss)	6.97 0.44 3.60 0.90	4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin Pack	tion Iobiliz lay Wo r enting ment d Hole ine Se uction ulation sporta rvision Labor ibles ng	Servi Renta Logs rvice Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400. 95,887. 49,881. 23,723.
1 1 1 1 1	5.9" 4.5" 3.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" du	al bore Permapox x 3-1/2" pup jt (ss	pak packer (JE pin xo (ss s) ole (ss)	6.97 0.44 3.60 0.90	4357.02 4363.99 4364.43 4368.03 4368.93	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubir Pack Wellf	tion Iobiliz lay Wo r enting ment d Hole ine Se uction ulation sporta rvision Labor ibles ng er nead	Servi Renta Logs rvices Testi tion	als & Pess ng &	erf.	over Cos	500.00 500.00 3,200.00 1,800.00 17,775.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400. 95,887. 49,881. 23,723. 48,610.
1 1 1 1 1	5.9" 4.5" 3.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" du	al bore Permapox x 3-1/2" pup jt (ss	pak packer (JE pin xo (ss s) ole (ss)	6.97 0.44 3.60 0.90	4357.02 4363.99 4364.43 4368.03 4368.93 4369.59	Loca Rig M Rig C Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin Pack Wellf Cont	tion Iobiliz lay Wo r enting ment d Hole ine Se uction ulation sporta rvision Labor ibles ng	Services Testi	als & Pess ng &	erf.	over Cos	500.00 3,200.00 1,800.00	38,094. 3,750. 21,396. 3,385. 2,160. 6,000. 14,400. 95,887. 49,881. 23,723.



D - 4	14410	2/04					atus - · · ·		REPORT					- CIA/D 1	
Date: Field:		3/24 San Ar		erator:		night Mid , NM	stream, L		Well Na	ame: nnie Mo	-\Λ/h:-4	or	Ryi Phone:	no SWD 1	930-0282
Present			lares	County:	ut down f		Consult	ant:	Contra				Phone	Mesa Rig	
Producti			OD.	7"	Depth:		556'	Wt.:	26 lk		Gra		HCL8		5625'
ubing (-1/2"	Wt:	11.6	Grade:		Coup		LT(erfs:		- 5560'
ubing (<i>.</i>		1/2	***	11.0	Orace.	0-00	ооцр	mig.		<u> </u>			+000	0000
From	Т	o	Hrs												
7:00	_	00	1.0	Arrived at le	ocation, h	eld PJSN	/I with all	crews,	waited c	on day	light.				
8:00		:30	4.5									ina S	Stuna int	permapak	nacker
12:30		30	3.0	Waited on								g. C	rung int	pormapan	paonor.
3:30		30	1.0		•			ina to t	ton of na	acker a	nd nu	lled o	ut of hol	e. Ran in hol	e with
0.00	<u> </u>		1.0											ick line truck	
				moved to e			Promo	тррго.	- T GIIOG (1010, 1	9904	uowii oi	ion into tracit	- GITG
4:30	5.	30	1.0				etuna tuhi	na out	of Arrow	veet 1	Y nac	cor wi	th on/of	tool. Revers	e circulate
4.30	J.	30	1.0	140 bbls 10					OI AITON	V3CL 1-	A pac	CI WI	11 01/01	tool. Itevels	se circulated
		20	4.0												I-
5:30	6:	30	1.0											n hanger wit	
														lown, loaded	
					• •									down bops.	. Severe
				thunder sto											
				shut down	operation	s. Closed	l blinds a	nd sec	ured wel	ll, shut	down	for w	eather a	nd night.	
				Made tubin	g up with	Byrd's to	rque turn	to opti	mum tor	rque of	f 1620	ft-lbs	at 25 rp	ms.	
				5 full joints	and 3 pu	p subs no	ot ran and	are or	n locatio	n with	thread	prote	ectors or	the pins and	d boxes.
														<u> </u>	
				Sent cut of	f ends of	BTC tubir	na with M	esquite	Oil Too	ols' tec	h to st	ore in	their va	rd until we so	chedule
				tests and a				ooquii	0100				11011 ya		orroadio
				tests and a	indiyolo ol	pino ana	oonars.								
	1														
			11.5	Cotting 8 D											
Chr				g Setting & Bl	НА	Longith	Ton	Interes	bloc			Worko	ver Cost		Cumulativa
Qty	OD	ID		Description	НА	Length	Тор	Intangi				Worko	over Cost	Daily	Cumulative
<u> </u>	OD	ID	Tubin	Description KB		20.00	-	Loca	tion	vio:-		Worko	over Cost		Cumulative
1			Tubin 4-1/2	Description KB BTC SS TBG	HGR	20.00 0.83	20.00	Loca Rig M	tion Iobiliza			Worko	over Cost	Daily	
1 1	4.5"	4.0"	4-1/2 B	Description KB BTC SS TBG TC PINX4-1/2 L	HGR _TC PIN	20.00 0.83 2.33	20.00	Loca Rig N	tion			Worko	over Cost		
1 1 1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 1 ²	Description KB PBTC SS TBG C PINX4-1/2 L 1.6 lb/ft, J55, L	HGR _TC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig N Rig D Mud	tion Iobiliza Day Wor			Worko	over Cost	5,500.00	43,594.0
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' al	Description KB BTC SS TBG C PINX4-1/2 L B B B B B B B B B B B B B B B B B B B	HGR _TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Loca Rig M Rig D Mud Wate	tion Iobiliza Day Woi r	rk		Worko	over Cost	Daily	43,594.0
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B ⁻ 4-1/2 B ⁻ 4-1/2, 1 ⁻ 8 ⁻ al 4-1/2,11	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, L1 nd 6' pup 4-1/2 6 lb/ft, J55, L1	HGR LTC PIN TC, P700 LTC FC, P700	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Rig N Rig D Mud Wate Ceme	tion Mobiliza Day Wor r enting \$	rk Servic		Worko	over Cost	5,500.00 3,000.00	43,594.0 6,750.0
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC	Description KB PETC SS TBG C PINX4-1/2 L D 6 lb/ft, J55, LT d 6' pup 4-1/2 D 6 lb/ft, J55, LT C box x 3-1/2 E	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72	Loca Rig M Rig D Mud Wate Ceme	tion Iobiliza Day Woi r	rk Servic		Worko	over Cost	5,500.00	43,594.0 6,750.0
1 1 1 2 101	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L7 and 6' pup 4-1/2 2.6 lb/ft, J55, LT 2 box x 3-1/2 E EUE T2 O/O to	HGR LTC PIN TC, P700 LTC FC, P700 UE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Loca Rig N Rig C Mud Wate Ceme Equip Bits	tion Mobiliza Day Wor r enting S oment F	rk Servic Renta	ls		over Cost	5,500.00 3,000.00	43,594.0 6,750.0
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, L7 d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Rig Mud Wate Ceme Equip Bits Case	tion Mobiliza Day Wor r enting S oment F	Servic Renta Logs	ls & Pe		over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L7 and 6' pup 4-1/2 2.6 lb/ft, J55, LT 2 box x 3-1/2 E EUE T2 O/O to	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel	tion Mobiliza Day Work renting Soment Forment Former Service Service Service Service Service Service Service Service Service Mobile Service Se	Services	ls & Pe	rf.	over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B 4-1/2, 1 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, L7 d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction	Services	ls & Pe	rf.	over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0 3,385.0
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 1 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT nd 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss ople	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod	tion Mobiliza Day Work renting Soment Forment Former Service Service Service Service Service Service Service Service Service Mobile Service Se	Services	ls & Pe	rf.	over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0 3,385.0
1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7X3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d6' pup 4-1/2 2.6 lb/ft, J55, LT 3 box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub nipple ss ople	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stim	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction	Servic Renta Logs rvices Testir	ls & Pe	rf.	over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0
1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d6' pup 4-1/2 2 6 lb/ft, J55, LT 3 box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub nipple ss ople 11X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobiliza Day Wor r enting Soment F d Hole line Ser uction	Services Testir	ls & Pe	rf.	over Cost	5,500.00 3,000.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0
1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 1 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc;	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, L ^T d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss opple htt w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	tion Mobiliza Day Wor r enting Soment I d Hole ine Ser uction ulation sportati	Services Testir	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 6,000.0
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4	Description KB BEC SS TBG C PINX4-1/2 L Bellofft, J55, LT Description C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n BEC NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple bin x3-1/2 eue le	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss ople h1X w/carbi SS 3-1/2 box ss x/o s assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor	Services Testir	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 6,000.0 16,200.0
1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 6.276" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d6' pup 4-1/2 2 6 lb/ft, J55, LT 3 box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o olol SS sub hipple ss ople 11X w/carbi SS 3-1/2 box ss x/o s assem oak packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor ibles	Services Testir	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 6,000.0 16,200.0 108,762.0
1 1 2 101 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25"	Tubin 4-1/2 B 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-' 7x3-1/2 N 2.75 R L 4-1/2 Itc I 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, L ^T c box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss al bore Permar box x 3-1/2" EU	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss ople L1X w/carbi SS 3-1/2 box ss x/o s assem oak packer (JE pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor ibles	Services Testir	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00 1,800.00 12,875.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 16,200.0 108,762.0
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 B* 4-1/2, 1* 8' at 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 ltc p 7X5x4 x 5" x 4" du -1/2" LTC b	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss opple L1X w/carbi SS 3-1/2 box ss x/o s assem boak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin Pack	tion Mobiliza Day Wor r enting Soment I d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Services Testir	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 16,200.0 108,762.0 49,881.0 27,296.0
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 1 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB BETC SS TBG C PINX4-1/2 L G Ib/ft, J55, LT d 6' pup 4-1/2 G Ib/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue I ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss x 2.75" R nipp	HGR LTC PIN LTC, P700 LTC FC, P700 UE SS x/o ol SS sub hipple ss opple LTX w/carbi SS 3-1/2 box ss x/o s assem oak packer (JE pin xo (ss s) ole (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig C Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack Wellf	tion Mobiliza Day Work r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor ibles ng er nead	Services Testir ion & Ser	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00 1,800.00 12,875.00 3,573.00	43,594.0 6,750.0 21,896.0 3,385.0 2,160.0 16,200.0 108,762.0 49,881.0 27,296.0 48,610.0
1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o old SS sub hipple ss ople LTX w/carbi SS 3-1/2 box ss x/o s assem oak packer (JE pin xo (ss s) ole (ss) g (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03 4368.93	Loca Rig M Rig C Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin Pack Wellh Cont	tion Mobiliza Day Wor r enting Soment I d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Services Testir ion & Ser	& Pe	rf.	over Cost	5,500.00 3,000.00 500.00 1,800.00 12,875.00	43,594 6,750 21,896 3,385 2,160 6,000 16,200 108,762 49,883 27,296



Data:	1110	14/24	0	arator:		DAILY V			Well Na			Dv	no SWD 1	
Date:		04/24 San Ar		erator:						i me: nie McV	/hirtor	Phone		930-0282
Field:			lares	County:			Consult	ant:				Pnone		
resent					ing on pu			1 3 8 4 4			ig No.:	1101.6	Mesa Rig	
roducti				7"	Depth:		556'	Wt.:	26 lk		Grade:	HCL		5625'
ubing (JD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	P	erfs:	4380'	- 5560'
_	_													
From		o	Hrs											
7:00	10	:00	3.0	Waited on	crews to a	arrive.								
10:00	12	:00	2.0	Nippled do	wn bop, lo	owered m	ast and r	noved	rig off the	e wellhe	ad.			
12:00	1:	30	1.5	Nippled up	injection	tree and	flow line.							
1:30	2:	30	1.0					d tubir	g and tu	bing hea	d flange	to 3000	psi for 15 mir	nutes.
				Good test,										
2:30	3.	00	0.5	Rigged up										
		30						rod plu	a from 2	01" E ni	nnlo 2 r	upe The	tubing was	on vocu
3:00	4.	30	1.5							.OI F III	ppie, z i	uns. me	tubing was a	a on vacu
				Rigged dov										
4:30	6:	00	1.5	Attempted	to test anı	nulus with	n Monaha	ans' tes	st truck. F	Pumped	5 barrels	s water w	ith test truck,	did not
				catch press	sure, ran o	out of wat	ter.							
6:00	6.	30	0.5	Rigged dov										
0.00	 		0.0					ıok no	no ovoile	able unti	l Tuocdo	v mornin	ıg, shut down	and
						o locate a	i pump in	JCK, HC	nie avalia	able unu	ruesua	у шогии	ig, shut down	anu
				wait on pur	np truck									
				Scheduled	MIT with	NM OCD	Gary Ro	binson	for 8:00	Tuesda	v mornin	a.		
	+			Rig and eq				51110011	101 0.00	ruoouu	<i>y</i> 1110111111	9.		
	-			ixig and eq	uipineni c	JII Stariub	у.							
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Qty	OD	ID		Description	на	Length	Тор	Intangi			Work	over Cost	t Daily	Cumulati
Qty	OD	ID			HA	Length 20.00	Тор	Intangi			Work	over Cost		Cumulati
Qty 1	OD	ID	Tubin	Description				Loca		tion	Work	over Cost		Cumulati
•	OD 4.5"	ID 4.0"	Tubin 4-1/2	Description KB	HGR	20.00	20.00	Loca Rig M	tion Iobiliza		Work	over Cost		Cumulati
1			4-1/2 B	Description KB 2 BTC SS TBG TC PINX4-1/2 L	HGR _TC PIN	20.00 0.83	20.00	Loca Rig N	tion		Work	over Cost	Daily	
1 1 1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 1 ⁻	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig M Rig D Mud	tion Iobiliza Day Wor		Work	over Cost	Daily	50,157
1 1 1 1	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' al	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L 1nd 6' pup 4-1/2	HGR _TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Loca Rig M Rig D Mud Wate	tion /lobiliza Day Wor r	·k		over Cost	Daily	50,157
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B ⁻ 4-1/2 B ⁻ 4-1/2, 1 ⁻ 8' at 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Rig Mud Wate	tion Mobiliza Day Wor r enting S	k Service		over Cost	Daily 6,563.00	50,157 6,750
1 1 1 1	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 El	HGR _TC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25 79.20 4339.72	Loca Rig M Rig D Mud Wate Ceme	tion /lobiliza Day Wor r	k Service		over Cost	Daily	50,157 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT	HGR _TC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Ceme	tion Mobiliza Day Wor r enting S	k Service		over Cost	Daily 6,563.00	50,157 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 El	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Rig I Rig I Mud Wate Ceme Equi Bits	tion Mobiliza Day Wor r enting S	k Service Rentals	s	over Cost	Daily 6,563.00	50,157 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Rig I Rig I Mud Wate Ceme Equi Bits	tion Mobiliza Day Wor r enting S pment F	Service Rentals	s	over Cost	6,563.00 500.00	50,157 6,750 22,396
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 1 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip	HGR LTC PIN LTC, P700 LTC LTC TC, P700 UE SS x/o ol SS sub iipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire	tion Mobiliza Day Wor r enting S pment F d Hole line Ser	Service Rentals Logs & vices	s Perf.	over Cost	Daily 6,563.00	50,157 6,750 22,396 7,58
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 1 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 L6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HGR LTC PIN LTC, P700 LTC C, P700 UE SS x/o ol SS sub iipple ss uple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction	Service Rentals Logs & vices	s Perf.	over Cost	6,563.00 500.00	50,157 6,750 22,396 7,581
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub cipple ss ople 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction	Service Rentals Logs & vices Festing	s Perf.	over Cost	6,563.00 500.00	50,157 6,750 22,396 7,581 2,160
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-' 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stime	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati	Service Rentals Logs & vices Festing	s Perf.	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-' 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stime	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction	Service Rentals Logs & vices Festing	s Perf.	over Cost	6,563.00 500.00	50,157 6,750 22,396 7,581 2,160 6,000
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss hipple 1X w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati	Service Rentals Logs & vices Festing	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 18,000
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.276" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 IT 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 do 6' pup 4-1/2 1.6 lb/ft, J55, LT 2 box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore ss	HGR LTC PIN LTC, P700 LTC LTC, P700 UE SS x/o ol SS sub iipple ss opple 1X w/carbi SS 3-1/2 box ss x/o assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati rvision Labor	Service Rentals Logs & vices Festing	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 18,000
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc p 7x5x4 x 5" x 4" du	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore Ss al bore Permap	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub cipple ss ople 1X w/carbi SS 3-1/2 box ss x/o s assem ook packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati rvision Labor ibles	Service Rentals Logs & vices Festing	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 18,000 117,676
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore ss al bore Permap pox x 3-1/2" EU	HGR LTC PIN LTC, P700 LTC C, P700 UE SS x/o ol SS sub hipple ss hipple 1X w/carbi SS 3-1/2 box ss x/o a assem boak packer (JE pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stim Tran Supe Misc Tang Tubi	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction sportati rvision Labor ibles	Service Rentals Logs & vices Festing	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 117,676 49,881
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 ltc p 7X5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore ss al bore Permap pox x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o s assem bak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99 4364.43	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Service Rentals Logs & vices Testing	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 117,676 49,881 27,296
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 ltc p 7X5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore ss al bore Permap pox x 3-1/2" EU	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o s assem bak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Service Rentals Logs & vices Testing	s Perf. & BHP	over Cost	500.00 4,196.00	
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 B 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc i 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple pin x3-1/2 eue l ss seal bore ss al bore Permap pox x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub pipple ss piple 1X w/carbi SS 3-1/2 box ss x/o assem pak packer (UE pin xo (ss s) ole (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir Pack Well	tion Mobiliza Day Wor r enting S pment F d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Service Rentals Logs & vices Festing on & Serv	s Perf. & BHP	over Cost	500.00 4,196.00	50,157 6,750 22,396 7,581 2,160 6,000 117,676 49,881 27,296
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 6.276" 3.5" 4.5" 6.276" 5.9" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 4.25" 3.06" 2.75"	Tubin 4-1/2 4-1/2 B 4-1/2, 11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc i 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 1.6 lb/ft, J55, LT 2 box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple pin x3-1/2 eue l ss seal bore ss al bore Permap 20x x 3-1/2" EU 3-1/2" pup jt (ss 'x 2.75" R nipp	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss ople 1X w/carbi SS 3-1/2 box ss x/o s assem oak packer (JE pin xo (ss s) ole (ss) g (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03 4368.93	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubic Pack Welli Cont	tion Mobiliza Day Wor renting Soment F d Hole line Ser uction ulation sportati rvision Labor ibles ng er	Service Rentals Logs & vices Festing on & Serv	s Perf. & BHP	over Cost	500.00 4,196.00 1,800.00 8,914.00	50,15° 6,750 22,390 7,58 2,160 6,000 117,670 49,88 27,290 48,610



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Product					Depth:		556'	Wt.:		lb/ft		ade:	HCL		5625'
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-	OD	ID	Tubir	Description KB		20.00		Loca	tion	zation		Worko	over Cos		Cumulative
1			Tubir 4-1/2	Description KB 2 BTC SS TBG F	HGR	20.00	20.00	Loca Rig N	tion Iobili	zation		Worko	ver Cos	Daily	
1 1	4.5"	4.0"	4-1/2 B	Description KB 2 BTC SS TBG F TC PINX4-1/2 LT	HGR TC PIN	20.00 0.83 2.33	20.00	Loca Rig N Rig D	tion Iobili			Worko	over Cos		
1 1 1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B 4-1/2, 1	Description KB 2 BTC SS TBG F TC PINX4-1/2 LT 1.6 lb/ft, J55, LT0	HGR TC PIN C, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig N Rig D Mud	tion Iobili Day W			Worko	over Cos	Daily	54,222.00
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 1 8' a	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC and 6' pup 4-1/2 L	HGR TC PIN C, P700	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Loca Rig N Rig D Mud Wate	tion Iobili Day W	ork		Worko	over Cos	Daily	54,222.00
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B' 4-1/2, 1' 8' al 4-1/2, 11	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC nd 6' pup 4-1/2 L 1.6 lb/ft, J55, LTC	HGR TC PIN C, P700 LTC C, P700	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Ceme	tion //obili Day W er enting	ork g Serv	ices	Worko	over Cos	4,065.00	54,222.00 6,750.00
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11 4-1/2, 11	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC nd 6' pup 4-1/2 L 1.6 lb/ft, J55, LTC C box x 3-1/2 EU	HGR TC PIN C, P700 LTC C, P700 IE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72	Loca Rig M Rig D Mud Wate Ceme	tion //obili Day W er enting	ork g Serv	ices	Worko	over Cos	Daily	54,222.00 6,750.00
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' a 4-1/2, LTC 7X3-1/2	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC nd 6' pup 4-1/2 L 1.6 lb/ft, J55, LTC C box x 3-1/2 EU EUE T2 O/O tool	HGR TC PIN C, P700 LTC C, P700 JE SS x/o JI SS sub	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Loca Rig M Rig D Mud Wate Cemo Equip Bits	tion Mobili Day W r enting	ork g Serv t Rent	ices als		over Cos	4,065.00	54,222.00 6,750.00
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 2.81 F	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC nd 6' pup 4-1/2 L 1.6 lb/ft, J55, LTC D box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip	HGR TC PIN C, P700 LTC C, P700 E SS x/o I SS sub ople ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig D Mud Wate Ceme Equi Bits Case	tion Mobili Day W r enting pmen	Serv t Rent	ices als		over Cos	4,065.00	54,222.00 6,750.00 22,746.00
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11' 4-1/2 LTC 7X3-1/2 2.81 F 3-1/2	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC nd 6' pup 4-1/2 L 1.6 lb/ft, J55, LTC C box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nig 1/2 NP riser nipp	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wire	tion Mobili Day W r enting pmen	Serv t Rent e Log ervice	ices als s & Po	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11' 4-1/2 LTC 7X3-1/2 2.81 F 3-1/2	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1.	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire	tion Mobili Day W r enting pmen	g Serv t Rent e Log ervice n Test	ices als s & Po	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2 B 4-1/2, 1' 8' al 4-1/2,11' 7X3-1/2 I 2.81 F 3- 7X3-1/2 N	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1: 3-1/2 SS Sub	HGR TC PIN C, P700 LTC C, P700 BE SS x/o II SS sub opple ss ole X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wirel Prod Stim	tion Mobili Day W r enting pmen d Hol line S uction ulatio	g Serv t Rent e Log ervice n Test n	ices als s & Po	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00
1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2 B 4-1/2, 1' 8' al 4-1/2,11' 7X3-1/2 I 2.81 F 3- 7X3-1/2 N	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1.	HGR TC PIN C, P700 LTC C, P700 BE SS x/o II SS sub opple ss ole X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobili Day W r enting pmen d Hol line S uction ulatio	g Service e Log ervice n Test n ation	ices als s & Po	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1: 3-1/2 SS Sub	HGR TC PIN C, P700 LTC C, P700 E SS x/o I SS sub ople ss ole X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobili Day W r enting pmen d Hol line S uction ulatio	g Service e Log ervice n Test n ation	ices als s & Po	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 6,000.00
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R II 4-1/2 Itc	Description KB 2 BTC SS TBG F TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1 3-1/2 SS Sub Landing nipple S	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub opple ss olle X w/carbi SS 3-1/2 ox ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobili Day W r enting pmen Id Hol line S uction ulation sports ervision	g Service e Log ervice n Test n ation	ices cals s & Pe	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 6,000.00 18,000.00
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' a 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1 3-1/2 SS Sub Landing nipple S pin x3-1/2 eue boom	HGR TC PIN C, P700 LTC C, P700 IE SS x/o I SS sub ople ss ole X w/carbi ES 3-1/2 ox ss x/o assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc	tion Mobili Day W r enting pmen d Hol line S uction ulation sports rvision	g Service e Log ervice n Test n ation	ices cals s & Pe	erf.	over Cos	4,065.00	54,222.0 6,750.0 22,746.0 7,581.0 2,160.0 6,000.0 18,000.0
1 1 1 2 101 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC	HGR TC PIN C, P700 LTC C, P700 JE SS x/o JI SS sub Lople ss Lople SS Jole X w/carbi LSS 3-1/2 LSS x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc Tang	tion Mobili Day W r enting pmen d Hol line S uction ulatio sports rvisic Labo ibles	g Service e Log ervice n Test n ation	ices cals s & Pe	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 6,000.00 18,000.00 117,676.00
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC I	Description KB 2 BTC SS TBG F TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1 3-1/2 SS Sub Landing nipple S pin x3-1/2 eue boss seal bore ss a al bore Permapa	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss ole X w/carbi GS 3-1/2 ox ss x/o assem ak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii	tion Mobili Day W r enting pmen Id Hol line S uction ulatio sport rvisio Labo ibles	g Service e Log ervice n Test n ation	ices cals s & Pe	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 18,000.00 117,676.00 49,881.00
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 II 2.81 F 3-7X3-1/2 N 2.75 R I 4-1/2 ltc 7X5x4 x 5" x 4" du -1/2" LTC I	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1: 3-1/2 SS Sub Landing nipple S pin x3-1/2 eue bos seal bore ss a al bore Permapa box x 3-1/2" EUE 3-1/2" pup jt (ss)	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss ole X w/carbi SS 3-1/2 ox ss x/o assem ak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack	tion Mobili Day W r enting pmen d Hol line S uction ulatio sporta rvisio Labo ibles ng er	g Service e Log ervice n Test n ation	ices cals s & Pe	erf.	over Cos	4,065.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 18,000.00 117,676.00 49,881.00 27,296.00
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 4.25" 4.25" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 11 8' ai 4-1/2, 11 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC II 3-1/2"	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 Ib/ft, J55, LTC 1.7 Ib/ft, J55, LTC 1.8 Ib/ft, J55, LTC 1.9 Ib/ft, J55, LTC 1	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss ole X w/carbi ES 3-1/2 ox ss x/o assem ak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	tion Mobili Day W r enting pmen d Hol line S uction ulatio sports rvisic Labo ibles ng er nead	g Service n Testin on on Sor & S	ices als s & Pes ing &	erf.	over Cos	4,065.00 350.00	54,222.00 6,750.00 22,746.00 7,581.00 2,160.00 18,000.00 117,676.00 49,881.00 27,296.00 48,610.00
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' ai 4-1/2, 11 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC II 3-1/2"	Description KB 2 BTC SS TBG H TC PINX4-1/2 LT 1.6 lb/ft, J55, LTC 1.6 lb/ft, J55, LTC 2 box x 3-1/2 EU EUE T2 O/O tool 3-1/2 landing nip 1/2 NP riser nipp P corvel ID AS1: 3-1/2 SS Sub Landing nipple S pin x3-1/2 eue bos seal bore ss all bore Permapa 2 box x 3-1/2" EUE 3-1/2" pup jt (ss)	HGR TC PIN C, P700 LTC C, P700 IE SS x/o II SS sub ople ss ole X w/carbi ES 3-1/2 ox ss x/o assem ak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli Cont	rentingomen d Holline S uction ulation sports rvision Laborites ibles ng er nead ingen	g Service e Logervice n Test n ation on or & S	ices als s & Pes ing &	erf.	over Cos	4,065.00	54,222.0 6,750.0 22,746.0 7,581.0 2,160.0 18,000.0 117,676.0 49,881.0 27,296.0 48,610.0 36,092.2



	1	2012 :							REPOR						
Date:		06/24		erator:		night Mid			Well N					no SWD 1	
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resent				Rigging ι	up slickline				Contra		Rig	No.:		Mesa Rig	219
roducti	ion Ca	asing (OD:	7"	Depth:	10,	556'	Wt.:	26 I			ade:	HCL8	80 PBTD :	5625'
ubing (OD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	<u> </u>	Pe	rfs:	4380'	- 5560'
								-					•		
From	1 1	Го	Hrs												
8:00		:00	6.0	Rigged up	Parker Se	rvices ni	ımp truck	to tub	ina casi	ng ann	ulus	took 8	hhls of	water to load	d annulus
0.00		.00	0.0												
					-	-								ping quickly,	
				pressure, p	ossible ai	ir in annu	lus. Pum	ped 1 l	obl and	caught	press	sure, (2nd cha	art) pressured	d up to 560
				psi and pre	essure dro	pped to 3	390 psi ov	/er 42	minutes	5.					
				Bled off pre	essure. (3	rd chart)	pressure	d up to	560 ps	i and pr	ressu	re dro	pped to	345 psi over	48 minute
				Bled off pre										<u>-</u>	
													40		
				(4th chart)					sure dro	pped to	385	psi ov	er 40 m	iinutes.	
				Rigged dov	wn and rel	leased pu	ımp truck								
				Goodniaht	operator o	opened fl	ow line a	nd star	ted inie	ctina in	to we	II for 3	0 minut	tes at 16,700	BPD
	+			_		•								179 psi and	
	-						<u> </u>			niy, ani	iuiuS	press	ure was	s ire psi and	ıncıeasıng
	<u></u>			Surface ca											
				Shut down	for night,	schedule	d Reneg	ade sli	ck line t	ruck an	nd Par	ker Se	ervices	pump truck fo	or
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	+			.o.ovvirig III		oot più	9 2.70	, v pr	o and	toot tu	~ıy c	30	a.o.		
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Qty	OD	ID			HA		Тор					Worko	over Cos		Cumulati
<u>-</u>	OD	ID	Tubir	Description KB		20.00		Loca	tion			Worko	over Cos		Cumulati
Qty 1		ID	Tubir 4-1/2	Description KB 2 BTC SS TBG	HGR		20.00	Loca Rig N	tion Iobiliza			Worko	over Cos	Daily	
-	OD 4.5"	ID 4.0"	Tubir 4-1/2	Description KB	HGR	20.00	20.00	Loca Rig N	tion			Worko	over Cos		
1			4-1/2 B	Description KB 2 BTC SS TBG	HGR LTC PIN	20.00	20.00	Loca Rig N	tion Iobiliza			Worko	over Cos	Daily	
1 1 1	4.5"	4.0"	4-1/2 4-1/2 B 4-1/2, 1	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig M Rig D Mud	tion Iobiliza Day Wo			Worko	over Cos	Daily	59,151
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 4-1/2 B 4-1/2, 1 8' a	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L nd 6' pup 4-1/2	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Loca Rig M Rig D Mud Wate	tion /lobiliza Day Wo	ork		Worko	over Cos	Daily	59,151
1 1 1	4.5" 4.5" 4.5" 4.5"	4.0"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 .6 lb/ft, J55, L1	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Cem	tion Mobiliza Day Wo r enting	ork Servic		Worko	over Cos	Daily	59,151 6,750
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L nd 6' pup 4-1/2	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Cem	tion /lobiliza Day Wo	ork Servic		Worko	over Cos	Daily	59,151 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B 4-1/2,11 8' at 4-1/2,11 4-1/2 LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 .6 lb/ft, J55, L1	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Ceme	tion Mobiliza Day Wo r enting	ork Servic		Worko	over Cos	Daily	59,151 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' a 4-1/2,11 4-1/2 LTC 7X3-1/2	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ and 6' pup 4-1/2 c lb/ft, J55, L1 c box x 3-1/2 E EUE T2 O/O to	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Rig Mud Wate Ceme Equi Bits	tion Mobiliza Day Wo r enting pment	Servic Renta	ls		over Cos	Daily	59,151 6,750
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B 4-1/2, 1 8' a 4-1/2,11 4-1/2 LTC 7X3-1/2 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 2.6 lb/ft, J55, L1 C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o iool SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Rig Mud Wate Ceme Equi Bits Case	tion Mobiliza Day Wo r enting pment	Servic Renta	ls & Pe		over Cos	Daily	59,151 6,750 22,746
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 .6 lb/ft, J55, L ⁻¹ C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub thipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire	tion Mobiliza Day Wo r enting pment d Hole line Se	Services	ls & Pe	erf.	over Cos	4,929.00	59,151 6,750 22,746 7,581
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 2.6 lb/ft, J55, L1 C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub thipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliza Day Wo r enting pment d Hole line Se uction	Services Logs rvices Testin	ls & Pe	erf.	over Cos	Daily	59,151 6,750 22,746 7,581
1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 .6 lb/ft, J55, L ⁻¹ C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss ople	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliza Day Wo r enting pment d Hole line Se	Services Logs rvices Testin	ls & Pe	erf.	over Cos	4,929.00	59,151 6,750 22,746 7,581
1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2, LTC 7X3-1/2 L 2.81 F 3- 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ chd 6' pup 4-1/2 chox x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub nipple ss tople	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim	tion Mobilization The enting period Hole line Seuction ulation	Services Logs rvices Testin	ls & Pe	erf.	over Cos	4,929.00	59,151 6,750 22,746 7,581 3,315
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ and 6' pup 4-1/2 c 6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub nipple ss ople SIX w/carbi SS 3-1/2	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stime	tion Mobilization The enting period Hole line Se uction ulation sportal	Services Logs rvices Testin	ls & Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	Tubin 4-1/2 B 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple bin x3-1/2 eue	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub hipple ss topple titx w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans	tion Mobiliza Day Wo r enting pment d Hole line Se uction ulation sportat rvisior	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	Tubin 4-1/2 B 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ and 6' pup 4-1/2 c 6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub hipple ss topple titx w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans	tion Mobilization The enting period Hole line Se uction ulation sportal	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	4-1/2 B 4-1/2, 1 8' al 4-1/2, LTC 7X3-1/2 L 2.81 F 3- 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple bin x3-1/2 eue	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub nipple ss ople E1X w/carbi SS 3-1/2 box ss x/o s assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc	tion Mobiliza Day Wo r enting pment d Hole line Se uction ulation sportate rvisior Labor	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25"	4-1/2 B 4-1/2, 1 8' a 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N 2.75 R I 4-1/2 ltc 7x5x4 x 5" x 4" du	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue ss seal bore ss al bore Permap	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o vol SS sub nipple ss ople S1X w/carbi SS 3-1/2 box ss x/o s assem pak packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang	tion Mobilization The enting period Hole line Secuction pulation sportation ibles	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800 117,676
1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3-' 7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 1.6 lb/ft, J55, L ⁻¹ C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple bin x3-1/2 eue less seal bore seal bore Permar pox x 3-1/2" EU	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub nipple ss ople S1X w/carbi SS 3-1/2 box ss x/o s assem pak packer (UE pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stim Tran Supe Misc Tang Tubi	tion Mobilization r enting pment d Hole line Se uction ulation sportation rvisior Labor ibles	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	7,581 3,315 6,000 19,800 49,881
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875' 3.5" 4.5" 6.276' 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R II 4-1/2 ltc 7x5x4 x 5" x 4" du -1/2" LTC II	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple oin x3-1/2 eue loss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o rol SS sub nipple ss ropple E1X w/carbi SS 3-1/2 box ss x/o s assem pak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack	tion Mobilization The enting penent In Hole line Secuction Ulation sportation Exportation Labor libles The enting library libr	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800 117,676 49,881 27,296
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R II 4-1/2 ltc 7x5x4 x 5" x 4" du -1/2" LTC II	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ nd 6' pup 4-1/2 1.6 lb/ft, J55, L ⁻¹ C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple bin x3-1/2 eue less seal bore seal bore Permar pox x 3-1/2" EU	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o rol SS sub nipple ss ropple E1X w/carbi SS 3-1/2 box ss x/o s assem pak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack	tion Mobilization The enting penent In Hole line Secuction Ulation sportation Exportation Labor libles The enting library libr	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800 117,676 49,881 27,296
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875' 3.5" 4.5" 6.276' 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' at 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc 7x5x4 x 5" x 4" du -1/2" LTC LTC I 3-1/2"	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L ⁻¹ c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple oin x3-1/2 eue loss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub hipple ss tipple LTX w/carbi SS 3-1/2 box ss x/o s assem pak packer (JE pin xo (ss s) tole (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99 4364.43 4368.03	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	tion Mobilization The enting penent In Hole line Secuction Ulation sportation Exportation Labor libles The enting library libr	Services Logs rvices Testin	& Pe	erf.	over Cos	4,929.00 1,155.00	59,151 6,750 22,746 7,581 3,315 6,000 19,800 117,676 49,881 27,296 48,610



Data	1110	7/24	<u> </u>	rotor-		DAILY V				no:		D.	/no S/M/D 4	
Date:		7/24 San Ar		erator:		night Mid			Well Nar	ne: ie McWh	irtor		no SWD 1	930-0282
Field:			iares	County:			Consult	ant:				Phone		
resent					ing tubing			1	Contract			1101	Mesa Rig	
oducti				7"	Depth:		556'	Wt.:	26 lb/		rade:	HCL		5625'
ıbing (OD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	Pe	erfs:	4380	- 5560'
	_			ı										
From	_	o	Hrs											
8:00	8:	30	0.5	Rigged up	Renegade	e slick line	e truck. R	Ran in h	nole and s	et 2.75" I	R plug l	pelow p	acker.	
8:30	9:	00	0.5	Rigged up	Parker Se	ervices pu	ımp truck	ζ.						
9:00	11	:00	2.0	Loaded tub	ing with 1	1 barrels	of water	, caugh	nt pressur	e, increas	sed pre	ssure to	560 psi, pres	ssure beg
	1			dropping qu										
										pressure	es on tu	ıbing ar	nd casing for 3	30 minute:
	1												rom 210 psi to	
	1												ing to 640 psi	
								asıng p	ressure d	ropped to	427 p	si and ti	ubing pressur	e increase
				to 240 psi.	Rigged do	own pum	p truck.							
11:00	12	:45	1.8	Ran in hole	with retri	eving too	l on slick	line, re	eleased 2.	75" R plu	ıg and ı	pulled o	out of hole with	n slick line
				Ran in hole	with 2.81	1" F profile	e plug an	d set ii	n upper ni	pple insid	le stina	er.		
12:45	1.	15	0.5	Rigged up			- p.a.g a							
					<u> </u>				l 4: .l- :		4	- 100	_:	!
1:15	1:	45	0.5						•	<u> </u>			si, pumped ca	
				ļ	•			30 minu	ıtes. Casi	ng pressi	ure dro	oped to	460 psi and t	ubing
				pressure in	creased t	to 190 psi	i.							
1:45	2:	30	0.75	Waited on	orders.									
2:30		00	1.5	Rigged dov	vn Renea	ade slick	line truck	and F	Parker nun	nn truck a	and rele	eased b	oth, left 2.81"	F profile i
2.00	+		1.0										Mesquite Oil	
	1										•		•	
						, and End	ore wellr	iead to	rig up an	a puii tub	ing and	cneck	on/off tool and	d seals.
				Shut down	for night.									
			8.0											
				g Setting & BI	HA						Worke	over Cos	st	
Qty	OD	ID		g Setting & BI	HA	Length	Тор	Intangi	bles		Worke	over Cos	st Daily	Cumulati
Qty	OD	ID			HA	Length 20.00	Тор				Worke	over Cos		Cumulati
	OD	ID	Tubin	Description KB		20.00		Loca	tion	ion.	Worke	over Cos		Cumulati
1			Tubin 4-1/2	Description KB 2 BTC SS TBG	HGR	20.00	20.00	Loca Rig N	tion //obilizat		Worke	over Cos	Daily	
1 1	4.5"	4.0"	4-1/2 B	Description KB Part SS TBG CPINX4-1/2 L	HGR .TC PIN	20.00 0.83 2.33	20.00	Loca Rig N	tion		Worke	over Cos		
1 1 1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L1	HGR .TC PIN IC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig N Rig D Mud	tion Iobilizat Day Work		Worke	over Cos	Daily	62,694
1 1	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' al	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L1 and 6' pup 4-1/2	HGR -TC PIN TC, P700 LTC	20.00 0.83 2.33	20.00 20.83 23.16 65.25	Loca Rig N Rig D Mud Wate	tion /lobilizat Day Work r		Worke	over Cos	Daily	62,694
1 1 1	4.5" 4.5"	4.0"	4-1/2 B 4-1/2, 11 8' al	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L1	HGR -TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09	20.00 20.83 23.16 65.25	Loca Rig N Rig D Mud Wate	tion Iobilizat Day Work		Worke	over Cos	Daily	62,694
1 1 1 1	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2 7 4-1/2 8 4-1/2, 11 8' al 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L1 and 6' pup 4-1/2	HGR TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25 79.20	Rig Mud Wate	tion /lobilizat Day Work r	ervices	Worke	over Cos	Daily	62,69 ⁴ 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2,LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L1 nd 6' pup 4-1/2 .6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Ceme	tion Mobilizati Day Work Tr enting So	ervices	Worke	over Cos	3,543.00	62,69 ⁴ 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Loca Rig Mig E Mud Wate Ceme Equip Bits	tion Mobilizati Day Work r enting So oment R	ervices entals		over Cos	3,543.00	62,69 ⁴ 6,750
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O tot 3-1/2 landing n	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Rig Mud Wate Ceme Equi Bits Case	tion Mobilizati Day Work r enting Sopment Ro	ervices entals		over Cos	3,543.00 350.00	62,69 ⁴ 6,750 23,096
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wire	tion Mobilizati Day Work r enting Soment Ro d Hole L line Serv	ervices entals ogs & P ices	erf.	over Cos	3,543.00 350.00 5,589.00	62,69 ⁴ 6,750 23,096
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d6' pup 4-1/2 2 d6 lb/ft, J55, LT 3 box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod	tion Mobilizati Day Work r enting So pment Ro d Hole L line Serv uction To	ervices entals ogs & P ices	erf.	over Cos	3,543.00 350.00	62,69 ⁴ 6,750 23,096
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 Et EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub ipple ss ple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobilization The senting September Record Hole Lection Toucher to the servent and the servent to the serve	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00	62,69 ² 6,750 23,096 13,170 4,415
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d6' pup 4-1/2 2 d6 lb/ft, J55, LT 3 box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub ipple ss ple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobilizati Day Work r enting So pment Ro d Hole L line Serv uction To	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00	62,69 ⁴ 6,750 23,096 13,170 4,415
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 Et EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobilization The senting September Record Hole Lection Toucher to the servent and the servent to the serve	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00	62,69 ² 6,750 23,096 13,170 4,415
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 Itc	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ple 1X w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobilization To work renting Soment Road Ind Hole Look line Serv uction To ulation sportation	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,69 ² 6,750 23,096 13,170 4,415 6,000 21,600
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 11 8' al 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 do a 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue to ses seal bore ss	HGR LTC PIN LTC LTC, P700 UE SS x/o ol SS sub ipple ss uple 1X w/carbi SS 3-1/2 box ss x/o assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod Stime Trans Supe Misc	tion Mobilization To work The enting Soment Roughton Union Service on To work Work Work Work The enting Soment Roughton The enting Soment R	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,69 ² 6,750 23,096 13,170 4,415 6,000 21,600
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc p 7x5x4 x 5" x 4" du	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 do 6' pup 4-1/2 2.6 lb/ft, J55, LT 3 box x 3-1/2 Et EUE T2 O/O tot 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue b ss seal bore Permap	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub lipple ss pple 1X w/carbi box ss x/o assem oak packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang	tion Mobilization Yenting September Received Hole Lection Telegration Sportation Sportation Labor & ibles	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,69 ² 6,750 23,096 13,170 4,415 6,000 21,600 117,676
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue II ss seal bore ss al bore Permapox x 3-1/2" EU	HGR LTC PIN LTC, P700 LTC C, P700 UE SS x/o ol SS sub ipple ss ple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubin	tion Mobilization To ay Work renting Soment Round Hole Legine Servention To a control of the con	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,694 6,750 23,096 13,170 4,415 6,000 21,600 117,676
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR .TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (IE pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubii Pack	tion Mobilization Mobilization Fenting Scoment Received Hole Lection Toulation Sportation Forvision Labor & Bibles Labor & Bib	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,694 6,750 23,096 13,170 4,415 6,000 21,600 117,676 49,881 27,296
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc p 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple so in x3-1/2 eue I ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss 'x 2.75" R nipp	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (IE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin Pack Well	tion Mobilization To your work and Hole L line Serv uction To ulation sportation rvision Labor 8 ibles ng er nead	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 3,543.00 350.00 5,589.00 1,100.00	62,69 ² 6,750 23,096 13,170 4,415 6,000 21,600 117,676 49,88 ² 27,296 48,610
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc p 7x5x4 x 5" x 4" du -1/2" LTC b	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (IE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin Pack Well	tion Mobilization Mobilization Fenting Scoment Received Hole Lection Toulation Sportation Forvision Labor & Bibles Labor & Bib	ervices entals ogs & P ices esting &	erf.	over Cos	3,543.00 350.00 5,589.00 1,100.00	62,694 6,750 23,096 13,170 4,415 6,000 21,600 117,676 49,881 27,296 48,610 38,118



Doto	11/0	08/24	O=-	erator:		DAILY V			Well Na			D.,	no SWD 1	
Date:										ne: nie McWhi	rtor			220 0202
Field:		San Ar		County:	Lea,		Consult					Phone		930-0282
resent				onitoring we						tor & Rig		1101.6	Mesa Rig	
roducti				7"	Depth:		556'	Wt.:	26 lb/		ade:	HCL8		5625'
ıbing (טט:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	P6	erfs:	4380' -	- 5560'
				1										
From		o	Hrs											
7:00	8:	00	1.0	Spotted rig	, raised m	ıast, strur	ng up gui	de lines	3.					
8:00	9:	00	1.0	Waited on	nipple up	crew.								
9:00	9:	30	0.5	Held Goodi	night safe	ty orienta	tion with	9 new	hands, P	JSM with	all crev	vs.		
9:30	10	:30	1.0	Nippled dov									n tested.	
10:30	-	:30	1.0	Rigged up										
11:30		:30	1.0							-	ure the	on/off t	tool was still la	atched
11.50	12	.00	1.0	Released of										atorica.
						•								
12:30	3:	00	2.5							-			nspecting cor	
				No signs of	f damage	d tubing.	Tongs pii	nched (one joint	(#26 in tal	ly) belo	w collar	and will be re	eplaced.
				Inspected t	he seals	on the on	off tool, I	ooked	new with	no damag	ge.			
3:00	4:	30	1.5	Loaded 7"	casing wit	th fluid thi	rough BC	P with	reverse ı	ınit. close	d blind	rams. p	ressured up t	to 600 psi
	<u> </u>			with reverse								, р	«P	, Pol
	-										nost- 1	hove =	and nine	
				Bodark was		cleaned t	uping co	nnectio	ons and v	isually ins	pected	poxes a	and pins.	
				Shut down	for night.									
			0.5											
			9.5	a Satting & Di							Work			
				g Setting & Bl	на	Laurate					Worke	over Cos		Cumulati
Qty	OD	ID		Description	HA	Length	Тор	Intangil			Worke	over Cos	t Daily	Cumulati
Qty	OD	ID	Tubin	Description KB		Length 20.00		Loca	tion		Worke	over Cos		Cumulati
Qty 1	OD	ID	Tubin	Description			20.00	Loca	tion Iobilizat		Worke	over Cos		Cumulati
-	OD 4.5"	ID 4.0"	Tubin 4-1/2	Description KB	HGR	20.00	20.00	Loca	tion		Worke	over Cos		
1			4-1/2 B1	Description KB BTC SS TBG	HGR _TC PIN	20.00	20.00	Loca	tion Iobilizat		Worke	over Cos	Daily	
1 1 1	4.5"	4.0"	4-1/2 4-1/2 B7 4-1/2, 11	Description KB PBTC SS TBG FC PINX4-1/2 L 1.6 lb/ft, J55, L1	HGR LTC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Local Rig M Rig D Mud	tion Iobilizat Day Worl		Worke	over Cos	Daily	67,623
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar	Description KB BTC SS TBG C PINX4-1/2 L B B B B B B B B B B B B B B B B B B B	HGR _TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Rig M Rig D Mud Wate	tion Iobilizat Oay Worl	(Worke	over Cos	Daily	67,623
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B7 4-1/2 B7 4-1/2, 11 8' ar 4-1/2,11	Description KB BTC SS TBG FC PINX4-1/2 L 6 lb/ft, J55, L1 nd 6' pup 4-1/2 6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Rig N Rig D Mud Wate Ceme	tion Iobilizat Pay Worl r enting S	ervices	Worke	over Cos	4,929.00	67,623 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 El	HGR _TC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72	Rig M Rig D Mud Wate Ceme	tion Iobilizat Oay Worl	ervices	Worke	over Cos	Daily	67,623 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC	Description KB BTC SS TBG FC PINX4-1/2 L 6 lb/ft, J55, L1 nd 6' pup 4-1/2 6 lb/ft, J55, LT	HGR _TC PIN TC, P700 LTC TC, P700 UE SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Local Rig N Rig D Mud Wate Ceme Equip Bits	tion dobilizated ay Worl r enting S oment R	ervices entals		over Cos	4,929.00	67,623 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 El	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Local Rig N Rig D Mud Wate Ceme Equip Bits	tion dobilizated ay Worl r enting S oment R	ervices		over Cos	4,929.00	67,623 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d 6' pup 4-1/2 2.6 lb/ft, J55, LT 3 box x 3-1/2 E EUE T2 O/O to	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Rig Mud Wate Ceme Equip Bits Case	tion dobilizated ay Worl r enting S oment R	ervices entals		over Cos	4,929.00	67,623 6,750 23,446
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EUE T2 O/O too 3-1/2 landing n	HGR LTC PIN LTC, P700 LTC LTC TC, P700 UE SS x/o ol SS sub iipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca' Rig N Rig D Mud Wate Ceme Equip Bits Case Wirel	tion dobilizate ay Worl r enting S oment R d Hole L ine Serv	ervices entals .ogs & P	erf.	over Cos	4,929.00	67,623 6,750 23,446
1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Description KB BTC SS TBG C PINX4-1/2 L B (b/ft, J55, LT and 6' pup 4-1/2 B (b/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n	HGR LTC PIN LTC, P700 LTC C, P700 UE SS x/o ol SS sub iipple ss uple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion flobilizate floay Worl r enting S oment R d Hole L ine Serv	ervices entals	erf.	over Cos	4,929.00	67,623 6,750 23,446
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7X3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 d 6' pup 4-1/2 2 6 lb/ft, J55, LT 3 box x 3-1/2 Et EUE T2 O/O tot 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub cipple ss ople 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	tion Iobilizate Day Worl r Enting S DEMONSTRATE DEMONSTRATE LIANTER TO SERVINGE LIANTER LIANT	ervices entals .ogs & P rices esting &	erf.	over Cos	4,929.00	67,623 6,750 23,446 13,170 4,415
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7x3-1/2 N	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT nd 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu	tion Mobilizate Day Worl r Enting S DEMONSTRATE DEMONSTRATE TOTAL	ervices entals .ogs & P rices esting &	erf.	over Cos	4,929.00 350.00	67,623 6,750 23,446 13,170 4,415 6,000
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F : 3-1 7X3-1/2 N	Description KB BEC SS TBG C PINX4-1/2 L B (b)ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n B/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple s bin x3-1/2 eue B	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss hipple 1X w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe	tion Iobilizat Oay Worl r enting S oment R d Hole L ine Serv uction T ulation sportation rvision	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F : 3-1 7X3-1/2 N	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT nd 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub hipple ss hipple 1X w/carbi SS 3-1/2 box ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe	tion Iobilizat Oay Worl r enting S oment R d Hole L ine Serv uction T ulation sportation rvision	ervices entals .ogs & P rices esting &	erf.	over Cos	4,929.00 350.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400
1 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p	Description KB BEC SS TBG C PINX4-1/2 L B (b)ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n B/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple s bin x3-1/2 eue B	HGR LTC PIN LTC, P700 LTC LTC, P700 UE SS x/o ol SS sub iipple ss opple 1X w/carbi SS 3-1/2 box ss x/o assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc.	tion flobilizate floay Worl renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor 8	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7X3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dus	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 do a 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple soin x3-1/2 eue to ses seal bore ss	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub hipple ss ople 1X w/carbi SS 3-1/2 box ss x/o assem oak packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang	tion Individual Total I	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400 141,302
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple soin x3-1/2 eue to ss seal bore ss al bore Permap pox x 3-1/2" EU	HGR LTC PIN LTC, P700 LTC C, P700 UE SS x/o ol SS sub hipple ss hipple 1X w/carbi SS 3-1/2 box ss x/o a assem boak packer (JE pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02	Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir	tion Iobilizate Oay Worl renting Soment R d Hole L ine Servention Teleportation rvision Labor & ibles	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00 23,626.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400 141,302
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Description KB BETC SS TBG C PINX4-1/2 L G Ib/ft, J55, LT d 6' pup 4-1/2 G Ib/ft, J55, LT D box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple so in x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN LTC, P700 LTC LTC LTC, P700 UE SS x/o ol SS sub iipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o s assem bak packer (JE pin xo (ss s)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack	d Hole L ine Servention Tulation Sportation Labor 8 ibles ng	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400 141,302 49,881 28,921
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 4.25" 4.25" 4.25" 4.25" 3.06" 2.75"	Tubin 4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7X3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4: x 5" x 4" du: -1/2" LTC b	Description KB B BTC SS TBG C PINX4-1/2 L B Ib/ft, J55, LT D G 6' pup 4-1/2 B Ib/ft, J55, LT D D G G F PINX4-1/2 C D G G G G G G G G G G G G G G G G G G	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub pipple ss piple 1X w/carbi SS 3-1/2 box ss x/o assem pak packer (UE pin xo (ss s) ole (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack Wellr	tion flobilizate floay Worl renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles ng er nead	ervices entals .ogs & P rices esting &	erf.	over Cos	1,800.00 23,626.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400 141,302 49,881 28,921 48,610
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 BT 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F: 3-1 7X3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4: x 5" x 4" du: -1/2" LTC b	Description KB BETC SS TBG C PINX4-1/2 L G Ib/ft, J55, LT d 6' pup 4-1/2 G Ib/ft, J55, LT D box x 3-1/2 EI EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple so in x3-1/2 eue l ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR LTC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub iipple ss ople 1X w/carbi SS 3-1/2 box ss x/o s assem oak packer (JE pin xo (ss s) ole (ss) g (ss)	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir Pack Wellh Conti	d Hole L ine Servention Tulation Sportation Labor 8 ibles ng	ervices entals .ogs & P rices esting &	erf.	over Cos	350.00 1,800.00 23,626.00	67,623 6,750 23,446 13,170 4,415 6,000 23,400 141,302 49,881 28,921



									REPORT						
Date:		9/24		erator:		night Mid			Well Na					no SWD 1	
Field:		San Ar		County:	Lea,		Consult	ant:		nie M			Phone:		-930-0282
resent				reparing to					Contrac					Mesa Rig	
roducti				7"	Depth:		556'	Wt.:	26 lb			ade:	HCL8		5625'
ubing (OD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LT	С	Pe	rfs:	4380'	- 5560'
				1											
From		<u>'o</u>	Hrs						222						
8:00	10	:00	2.0					e unit to	o 600 ps	i and	monite	ored to	r 2 hour	s, lost 20 ps	si every 30
				minutes fro											
10:00	11	:00	1.0				gauge on	BOPs	, pressur	red up	to 66	0 psi.	Monitor	ed pressure	for 1 hour.
				Lost 20 psi	every 30	minutes.									
11:00	11	:30	0.5	Closed valv	es on BC	Ps, disco	onnected	lines a	ind chec	ked fo	r leak	S.			
11:30	2:	00	2.5	Continued i	monitorin	g pressur	es. Press	sure co	ntinued	to los	e 20 p	si eve	ry 30 mi	nutes.	
2:00	2:	30	0.5	Waited on o	orders.										
2:30		00	0.5			shut in ar	nd shut de	own foi	night 2	-7/8" v	work s	string a	and test	packer sche	duled
2.50	 0 .		0.5	to be delive				JWII IOI	riigiit. Z	170	WOIK	ouring c	ind toot	paoner some	duicu
				to be delive	erea the to	ollowing n	norning.								
	<u> </u>														
			7.0												
				g Setting & Bh	-tA							Works	over Cost		
Qty	OD	ID		Description	-lA	Length	Тор	Intangi				Workd	over Cost	Daily	Cumulativ
Qty	OD	ID			-lA	Length 20.00	Тор	Intangi Loca				Worko	over Cost		Cumulativ
Qty 1	OD	ID	Tubir	Description				Loca		tion		Works	over Cost		Cumulativ
		ID 4.0"	Tubir 4-1/2	Description KB	HGR	20.00	20.00	Loca Rig N	tion Iobiliza			Worko	over Cost	Daily	
1 1	4.5"	4.0"	4-1/2 B	Description KB 2 BTC SS TBG TC PINX4-1/2 L	HGR .TC PIN	20.00 0.83 2.33	20.00	Loca Rig N	tion			Worko	over Cost		
1 1 1	4.5"	4.0"	4-1/2 4-1/2 B 4-1/2, 1	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT	HGR TC PIN TC, P700	20.00 0.83 2.33 42.09	20.00 20.83 23.16	Loca Rig N Rig D Mud	tion Iobiliza Day Wor			Worko	over Cost	Daily	72,759
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 1 8' a	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2	HGR .TC PIN FC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25	Loca Rig M Rig D Mud Wate	tion Iobiliza Pay Wor r	rk		Worko	over Cost	Daily	
1 1 1	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20	Loca Rig M Rig D Mud Wate Ceme	tion Mobiliza Pay Wor r enting S	rk Servi		Worko	over Cost	Daily 5,136.00	72,759 6,750
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2,11	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2	HGR TC PIN TC, P700 LTC	20.00 0.83 2.33 42.09 13.95	20.00 20.83 23.16 65.25 79.20 4339.72	Loca Rig M Rig D Mud Wate Ceme	tion Iobiliza Pay Wor r	rk Servi		Worko	over Cost	Daily	72,759 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B' 4-1/2, 1' 8' al 4-1/2,11 4-1/2 LTC	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC TC, P700 UTC SS x/o	20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72	Loca Rig M Rig D Mud Wate Ceme	tion Mobiliza Pay Wor r enting S	rk Servi		Worko	over Cost	Daily 5,136.00	72,759 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2	Description KB PETC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT C box x 3-1/2 EU	HGR .TC PIN .TC, P700 LTC .TC, P700 JE SS x/o ol SS sub	20.00 0.83 2.33 42.09 13.95 4260.52 0.62	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Loca Rig N Rig C Mud Wate Ceme Equip Bits	tion Mobiliza Day Wor r enting S oment F	rk Servic Renta	ıls		over Cost	Daily 5,136.00	72,759 6,750
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT D box x 3-1/2 EUE T2 O/O too 3-1/2 landing ni	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o Dol SS sub iipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case	tion Mobiliza Day Wor r enting S oment F	rk Servic Renta Logs	ls & Pe		over Cost	Daily 5,136.00	72,759 6,750 23,796
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11' 4-1/2 LTC 7X3-1/2 2.81 F 3-1/2	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip	HGR TC PIN TC, P700 LTC TC, P700 UTE SS x/o ol SS sub ipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel	tion Mobiliza Day Wor r enting S oment F d Hole ine Ser	Services	ls & Pe	erf.	over Cost	Daily 5,136.00	72,759 6,750 23,796
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B' 4-1/2, 1' 8' ai 4-1/2, 11' 4-1/2 LTC 7X3-1/2 2.81 F 3-1/2	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O tot 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS	HGR TC PIN TC, P700 LTC TC, P700 UTE SS x/o ol SS sub ipple ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod	tion flobiliza day Wor r enting Soment F d Hole ine Ser uction 1	Services	ls & Pe	erf.	over Cost	Daily 5,136.00	72,759 6,750 23,796
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 1' 8' at 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR .TC PIN .TC, P700 LTC .TC, P700 JE SS x/o oll SS sub- ipple ss ple .TX w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stim	tion Mobiliza Day Wor r Enting Soment F d Hole ine Ser uction	Services Testin	ls & Pe	erf.	over Cost	Daily 5,136.00	72,759 6,750 23,796 13,170 4,415
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 1' 8' at 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O tot 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS	HGR .TC PIN .TC, P700 LTC .TC, P700 JE SS x/o oll SS sub- ipple ss ple .TX w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati	Services Testin	ls & Pe	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub iipple ss ple 1X w/carbi	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobiliza Day Wor r Enting Soment F d Hole ine Ser uction	Services Testin	ls & Pe	erf.	over Cost	Daily 5,136.00	72,759 6,750 23,796 13,170 4,415 6,000
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 B 4-1/2, 1 8' a 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N 2.75 R I 4-1/2 Itc	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 1.6 lb/ft, J55, LT D box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple S	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub- tipple ss ple 1X w/carbi SS 3-1/2 toxx ss x/o	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4350.71	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati	Services Testin	& P€ s ng &	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 1 8' a 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- 7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue bess seal bore ss	HGR .TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub ipple ss ple 1X w/carbi DSS 3-1/2 DOX SS x/o assem	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc	tion Iobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor	Services Testin	& P€ s ng &	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25"	4-1/2 B' 4-1/2, 1' 8' at 4-1/2, 11' 4-1/2 LTC 7X3-1/2 LTC 2.81 F 3- 7x3-1/2 N 2.75 R L 4-1/2 ltc 7x5x4	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2 2.6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub tipple ss ple 1X w/carbi SS 3-1/2 toox ss x/o assem toak packer (20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang	tion Mobiliza Day Wor r enting Soment F d Hole ine Ser uction Tulation sportati rvision Labor ibles	Services Testin	& P€ s ng &	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200 141,302
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11' 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC I	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 1.6 lb/ft, J55, LT 2 box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue too ss seal bore ss al bore Permap DOX x 3-1/2" EU	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub iipple ss ple 1X w/carbi SS 3-1/2 oox ss x/o assem oak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubin	tion Mobiliza Day Wor renting Soment F d Hole ine Seruction ulation sportati rvision Labor ibles	Services Testin	& P€ s ng &	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200 141,302 49,881
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 II 2.81 F 3- 7X3-1/2 N 2.75 R II 4-1/2 ltc II 7X5x4 x 5" x 4" du -1/2" LTC II	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o To SS sub Tipple ss Tip	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4367.02 4363.99	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubin Pack	tion Mobiliza Day Wor renting Soment F d Hole ine Seruction Lulation sportati rvision Labor ibles ng er	Services Testin	& P€ s ng &	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200 141,302 49,881 28,921
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 II 2.81 F 3- 7X3-1/2 N 2.75 R II 4-1/2 ltc II 7X5x4 x 5" x 4" du -1/2" LTC II	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 1.6 lb/ft, J55, LT 2 box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue too ss seal bore ss al bore Permap DOX x 3-1/2" EU	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o tol SS sub tipple ss ple 1X w/carbi USS 3-1/2 DOX SS x/o assem toak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubir Pack Wellf	tion Iobiliza Day Wor r enting Soment F d Hole ine Ser uction ulation sportati rvision Labor ibles ng er nead	Services Logs Vices Testin	& Pe	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200 141,302 49,881 28,921 48,610
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B' 4-1/2, 1' 8' al 4-1/2,11' 4-1/2 LTC 7X3-1/2 II 2.81 F 3-7x3-1/2 N 2.75 R I 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC II 3-1/2"	Description KB 2 BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 .6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub dipple ss ple 1X w/carbi SS 3-1/2 cox ss x/o assem cak packer (E pin xo (ss	20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig D Mud Wate Cemo Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubir Pack Wellf	tion Mobiliza Day Wor renting Soment F d Hole ine Seruction Lulation sportati rvision Labor ibles ng er	Services Logs Vices Testin	& Pe	erf.	over Cost	5,136.00 350.00	72,759 6,750 23,796 13,170 4,415 6,000 25,200 141,302 49,881 28,921 48,610



Data	11/4	0/24	0	rator:		night Mid			REPORT Well Nai	no.		Dv	no SWD 1	
Date:				erator:							irtor			020 0202
Field:		San Ar	ares	County:			Consult	ant:		ie McWh		Phone		930-0282
resent				Attempting					Contrac			1101	Mesa Rig	
oducti				7"	Depth:		556'	Wt.:	26 lb/		rade:	HCL		5625'
ıbing (טט:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ııng:	LTC	Pe	erfs:	4380	- 5560'
	_													
From		<u>'o</u>	Hrs	NA 144	/OII 1 1 1							4 (011 :	***	0.7/0"
7:00	8:	00	1.0									-1/2" pip	oe rams with 2	2-7/8" ram
				unloaded 2										
8:00	9:	30	1.5	Removed t	hread pro	tectors a	nd tallied	2-7/8"	tubing (1	50) joints	4,805'.	23		
9:30	9:	45	0.25	Made up A	D 1 tension	on packer	and sea	t nipple	on 1 joir	t of tubir	ıg.			
9:45	10	:15	0.5	Ran packe	r and 1 jo	int in hole	e, set pac	ker, clo	sed pipe	rams, pr	essure	d up ann	nulus to 600 p	si for 30
				minutes, lo								•		
10:15	10	:45	0.5			<u> </u>					nressiir	a No vis	sible leaks at	surface
10.15	10	.+0	0.5	or on BOPs		bove pac	iker, pres	Surcu (ap 10 000	p3i, 103t	picssui	C. 140 VI	SIDIC ICARS AT	Juliacc
	ļ													
10:45	4	:30	1.75										utes, lost 20 ¡	
12:30	1:	45	1.25	Re-tested a	annulus a	bove pac	ker for 45	5 minut	es at 600	psi, lost	80 psi,	down to	520 psi (cha	rted).
1:45	2:	45	0.25	Waited on	orders.									
2:00	3:	15	1.25	Pulled AD	1 packer.	made up	HD pack	er and	seat nipr	le. trippe	ed in hol	e with 7	3 joints of tub	ing with
	-		0	packer to 2						,			- ,	
2.45	1 2	20	0.05	•		ooks.								
3:15		30	0.25	Strapped to										
3:30		30	1.00	Tripped in I										
4:30	5:	30	1.00	Set packer	at 4235',	attempte	d to test o	down t	ubing, pad	ker was	not hold	ding or t	here was a le	ak
				in tubing, re	eleased a	nd moved	d packer :	20' up	hole and	set, atter	npted to	test ag	ain, still leake	ed,
				dropped 2-	7/8" stand	ding valve	e to test tu	ubina f	or leak. ra	n out of	water o	n test tru	uck, shut dow	n for niah
				Had fluid co									,	
										vill bring	0 004/ 1	acker i	n the morning	1
				-										
				IWUIII affemn	it to toct ti	ihina tiret	t thina in t	the mo	rning and	either re	trieve v	alve wit		
	1			<u> </u>								uiro III.	h sand line	
				or pull tubir								4170 1716	ii sand line	
				<u> </u>									n sand line	
				<u> </u>									n sand line	
				<u> </u>									II Sallu IIIIe	
				<u> </u>									II Sanu iiile	
				<u> </u>									II Sanu iiile	
				<u> </u>									II Sanu iirie	
				<u> </u>									II Saliu iiile	
				<u> </u>									II Saliu iiile	
			10.5	<u> </u>									II Saliu IIIIe	
			10.5 Tubin	or pull tubir	ng and pa									
Otv	OD	l in		or pull tubin	ng and pa	cker depo	ending or	n tests.				over Cos	t	Cumulati
Qty	OD	ID		or pull tubir	ng and pa	cker depo		n tests.	bles					Cumulati
-	OD	ID	Tubin	g Setting & BI Description	ng and pa	Length	ending or	Intangi	bles				t	Cumulati
1			Tubin 4-1/2	g Setting & BI Description KB	ng and pa	Length 20.00 0.83	Top	Intangi Loca	bles tion	ion			t Daily	
1 1	4.5"	4.0"	4-1/2 B ⁻	g Setting & BI Description KB BTC SS TBG	HA HGR LTC PIN	Length 20.00 0.83 2.33	Top 20.00 20.83	Intangi Loca Rig N	bles	ion			t	
1			4-1/2 4-1/2 B ⁻ 4-1/2, 11	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, L	HA HGR TC PIN TC, P700	Length 20.00 0.83	Top 20.00 20.83 23.16	Intangi Loca Rig I Mud	bles tion lobilizat	ion			t Daily	
1 1	4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 11	g Setting & BI Description KB BTC SS TBG	HA HGR TC PIN TC, P700	Length 20.00 0.83 2.33	Top 20.00 20.83 23.16	Intangi Loca Rig N	bles tion lobilizat	ion			t Daily	79,371
1 1 1	4.5" 4.5"	4.0"	4-1/2 B 4-1/2, 11 8' al	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, L	HA HGR TC PIN TC, P700 LTC	Length 20.00 0.83 2.33 42.09	Top 20.00 20.83 23.16 65.25	Intangi Loca Rig Mud Wate	bles tion lobilizat	ion			t Daily	79,371
1 1 1 1	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B ⁻ 4-1/2 B ⁻ 4-1/2, 1 ⁻ 8' at 4-1/2,11	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, L 7 nd 6' pup 4-1/2	HAHGR TC PIN TC, P700 LTC TC, P700	Length 20.00 0.83 2.33 42.09 13.95	Top 20.00 20.83 23.16 65.25 79.20	Intangi Loca Rig M Rig D Mud Wate	bles tion Mobilizat Day Work	ion			t Daily	79,37 ² 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC	g Setting & BI Description KB PBTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o	Length 20.00 0.83 2.33 42.09 13.95 4260.52	Top 20.00 20.83 23.16 65.25 79.20 4339.72	Intangi Loca Rig N Rig C Mud Wate Ceme	bles tion Mobilizat Day Work	ion			t Daily 6,612.00	79,37 ² 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Intangi Loca Rig M Rig E Mud Wate Ceme Equil Bits	bles tion Mobilizat Day Work r enting S pment R	ion (ervices entals	Worke		t Daily 6,612.00	79,37 ² 6,750
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B 4-1/2, 1 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Intangi Loca Rig I Mud Wate Ceme Equi Bits Case	bles tion Mobilizat Day Work r enting S oment R	ion cervices entals	Worke		t Daily 6,612.00	79,37′ 6,750 24,146
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B ⁻ 4-1/2, 1 ⁻ 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- ⁻	g Setting & BI Description KB PETC SS TBG TC PINX4-1/2 L Description GC PINX4-1/2 L Description GC PINX4-1/2 L Description CD PIN	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Intangi Loca Rig M Rig E Mud Wate Cemi Equi Bits Case Wire	bles tion Mobilizat Day Work r enting S oment R	ervices entals ogs & I	Worke		t Daily 6,612.00	79,37 ² 6,750 24,146 13,170
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B ⁻ 4-1/2, 1 ⁻ 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3- ⁻	g Setting & Bl Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT c box x 3-1/2 El EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74	Intangi Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wirel Prod	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv	ervices entals ogs & I	Worke		t Daily 6,612.00	79,37 ² 6,750 24,146 13,170
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stim	bles tion Mobilizat Day Work r enting S pment R d Hole L line Serv uction T ulation	ervices entals ogs & I ices esting &	Worke		t Daily 6,612.00	79,37 ² 6,750 24,140 13,170 4,415
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 1 8' at 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N	g Setting & Bl Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT c box x 3-1/2 El EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stim	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv	ervices entals ogs & I ices esting &	Worke		t Daily 6,612.00	79,37 ² 6,750 24,140 13,170 4,415
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 1 8' at 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 7x3-1/2 N 2.75 R L	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 E EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ool SS sub ipple ss ipple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71 4354.88	Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stime	bles tion Mobilizat Day Work r enting S pment R d Hole L line Serv uction T ulation	ervices entals ogs & I ices esting &	Worke		t Daily 6,612.00	79,371 6,750 24,146 13,170 4,415
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc	g Setting & BI Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub lipple ss uple 1X w/carbi SS 3-1/2 box ss x/o	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	Top 20.00 20.83 23.16 65.25 79.20 4349.34 4342.24 4342.24 4342.74 4350.71 4354.88 4355.75	Intangi Loca Rig M Wate Ceme Equi Bits Case Wire Prod Stime Trans	bles tion Mobilizat Day Work renting S oment R d Hole L line Serv uction T ulation sportatio	ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,075.00 1,800.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 IT 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4	g Setting & Bl Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT D box x 3-1/2 El EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue I ss seal bore ss	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Intangi Loca Rig M Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv uction T ulation sportation rvision Labor 8	ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00	79,377 6,750 24,146 13,170 4,415 7,075 27,000
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	4-1/2 B 4-1/2, 11 8' at 4-1/2, 11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du	g Setting & Bi Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 Ei EUE T2 O/O to 3-1/2 landing n 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss al bore Permap	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem oak packer (Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02	Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc Tang	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv uction T ulation sportation rvision Labor 8 ibles	ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,075.00 1,800.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000 144,667
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 4-1/2 B 4-1/2, 1 8' a 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & BI Description KB BTC SS TBG C PINX4-1/2 L B 6 lb/ft, J55, LT C box x 3-1/2 EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Landing	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (E pin xo (ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99	Intangi Loca Rig Mud Wate Ceme Equi Bits Case Wirel Prod Stime Trans Supe Misc Tang Tubii	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv uction T ulation sportation rvision Labor 8 ibles	ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,075.00 1,800.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000 144,667
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 B* 4-1/2, 1* 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L B 6 lb/ft, J55, LT C box x 3-1/2 EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Din x3-1/2 eue I D SS seal bore ss al bore Permar D DOX x 3-1/2" EU D 3-1/2" pup jt (ss	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (IE pin xo (ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43	Intangi Loca Rig M Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack	bles tion Mobilizat Day Worl r enting S pment R d Hole L line Serv uction T ulation sportation r riction Servision Labor 8 ibles ng er	ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,075.00 1,800.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000 144,667 49,881 28,921
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 4-1/2 B 4-1/2,11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc i 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & Bi Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT d 6' pup 4-1/2 EUE T2 O/O to 3-1/2 landing n l/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple bin x3-1/2 eue l ss seal bore ss al bore Permap tox x 3-1/2" EU B-1/2" pup jt (ss x 2.75" R nipp	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (E pin xo (ss s) ole (ss)	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Intangi Loca Rig M Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir Pack Wellf	bles tion Mobilizat Day Work renting S pment R d Hole L line Serv uction T ulation sportation rvision Labor & ibles ng er nead	ion ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,800.00 3,365.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000 144,667 49,881 28,921 48,610
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 B 4-1/2,11 8' ai 4-1/2,11 4-1/2 LTC 7X3-1/2 I 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 ltc i 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & BI Description KB BTC SS TBG TC PINX4-1/2 L B 6 lb/ft, J55, LT C box x 3-1/2 EUE T2 O/O to 3-1/2 landing n I/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Din x3-1/2 eue I D SS seal bore ss al bore Permar D DOX x 3-1/2" EU D 3-1/2" pup jt (ss	HA HGR TC PIN TC, P700 LTC TC, P700 UE SS x/o ol SS sub ipple ss ipple 1X w/carbi SS 3-1/2 box ss x/o assem bak packer (E pin xo (ss s) ole (ss)	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Intangi Loca Rig M Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubir Pack Wellf	bles tion Mobilizat Day Worl r enting S pment R d Hole L line Serv uction T ulation sportation r riction Servision Labor 8 ibles ng er	ion ervices entals ogs & I ices esting &	Works Perf.		t Daily 6,612.00 350.00 1,075.00 1,800.00	79,371 6,750 24,146 13,170 4,415 7,075 27,000 144,667 49,881 28,921



Data	11/4	1/24	0	rator:		night Mid			REPORT Well Nar	no. I		D	/no SW/D 1	
Date: Field:		1/24 San Ar		erator:			Consult			ne: ie McWh	irtor	Phone	no SWD 1	930-0282
				County:								Phone		
resent				sting casing					Contrac			1101	Mesa Rig	
roducti				7"	Depth:		556'	Wt.:	26 lb/		rade:	HCL		5625'
ubing (JD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	P6	erfs:	4380' -	- 5560'
	_			1										
From		o	Hrs											
7:00		30	0.5	Arrived at lo										
7:30	8:	00	0.5	Rigged up I	Monahan	s test trud	ck, pressi	ured up	on 2-7/8	" tubing t	o 600 p	si, pres	sure dropped	to 100 ps
				in less than	2 min (tu	ıbing leak	().							
8:00	10	:00	2.0	Pulled tubin	ng and pro	essure te	sted ever	y 5 sta	nds (320'	average) (charte	ed).		
10:00	11	:00	1.0	Found leak	in collar	and pin o	n joints 1	5 and	16, laid do	wn bad	joints, p	ulled 4	joints, and foυ	ınd leak
													of the hole, ret	
				standing va						, , , , , , , , , , , , , , , , , , , ,	. о а то р			
14.00	12	.20	4.5							innla tri	nod in	hala ni	cked up 5 nev	v iointo of
11:00	12	:30	1.5			•		acker a	ind seat r	ippie, iri	ppea in	noie, pi	cked up 5 nev	w joints of
				tubing to re										
12:30	1:	00	0.5	Loaded wel	ll with 22	barrels of	f water wi	th reve	erse unit,	oumped [•]	through	tubing	to circulate aiı	r out.
1:00	2:	00	1.0	Set packer	at 4235',	tested be	elow pack	er to 7	00 psi for	30 min,	pressur	e dropp	ed to 180 psi	(charted).
2:00	_	30	0.5										at 620 psi (ch	, ,
2:30		00	0.5	Released p									<u> </u>	/-
2.00	 		0.5	610 psi, pre						J. a. 404	U Sul	1400 10	. 20 11111110	
	 _	00				<u> </u>			<u>'</u>	1			2051	
3:00		30	0.5	Tripped in h			•				•		325'.	
3:30	3:	45	0.25	Tested belo	ow test pa	cker to 6	00 psi, pr	essure	dropped	to 0 psi	in 12 mi	n.		
3:45	4:	15	0.5	Tested ann	ulus abov	ve packer	at 4325'	to surf	ace to 70	0 psi for	24 min,	held at	700 psi (char	ted).
4:15	5:	00	0.75	Released p	acker, pu	ılled 20 st	tands of t	ubing a	and racke	d back ir	derrick	. Install	ed TIW valve	, closed
				pipe rams a										<u>, </u>
				Will continu						ning				
				[v v iii Continu	ie iesiiliy	out of 110	iie evei y	1000 11	i tile illoli	iiiig				
	+			D: 1		7/01/4 1 1			1.1					
				Rig bent 1 j	oint of 2-	7/8" tubin	ıg, shut d	own he	ld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	ıg, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
				Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
			10.0	Rig bent 1 j	oint of 2-	7/8" tubin	g, shut d	own he	eld safety	meeting	on trip s	speed		
			10.0			7/8" tubin	g, shut d	own he	eld safety	meeting			ı,†	
Qtv	OD	ID		g Setting & Bh						meeting		over Cos		Cumulati
Qty	OD	ID		g Setting & Bl-		Length	Тор	Intangi	bles	meeting			et Daily	Cumulati
	OD	ID	Tubin	g Setting & BI- Description KB	1A	Length 20.00	Тор	Intangi Loca	bles					Cumulati
1			Tubin 4-1/2	g Setting & BI- Description KB	HA	Length 20.00 0.83	Top 20.00	Intangi Loca	bles tion	ion			Daily	
1	4.5"	4.0"	4-1/2 B ⁻¹	g Setting & BH Description KB BTC SS TBG FC PINX4-1/2 L	HGR TC PIN	Length 20.00 0.83 2.33	Top 20.00 20.83	Intangi Loca Rig N	bles	ion				
1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 11	g Setting & Bh Description KB BBTC SS TBG FC PINX4-1/2 L	HGR TC PIN	Length 20.00 0.83 2.33 42.09	Top 20.00 20.83 23.16	Intangi Loca Rig M Rig D	bles tion Mobilizat Day Work	ion			Daily	86,143
1 1	4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 11	g Setting & BH Description KB BTC SS TBG FC PINX4-1/2 L	HGR TC PIN	Length 20.00 0.83 2.33	20.00 20.83 23.16 65.25	Intangi Loca Rig N Rig D Mud Wate	bles tion Mobilizat Day Work	ion			Daily	86,143
1 1 1	4.5" 4.5"	4.0"	4-1/2 4-1/2 B ⁻ 4-1/2, 11 8' ar	g Setting & Bh Description KB BBTC SS TBG FC PINX4-1/2 L	HGR TC PIN TC, P700 LTC	Length 20.00 0.83 2.33 42.09	20.00 20.83 23.16 65.25	Intangi Loca Rig N Rig D Mud Wate	bles tion Mobilizat Day Work	ion			Daily	86,143
1 1 1 2	4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 B ⁻¹ 4-1/2,11 8' ar 4-1/2,11	g Setting & BI- Description KB PETC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT nd 6' pup 4-1/2	HGR TC PIN TC, P700 LTC TC, P700	Length 20.00 0.83 2.33 42.09 13.95	Top 20.00 20.83 23.16 65.25 79.20	Intangi Loca Rig N Rig D Mud Wate Ceme	bles tion Mobilizat Day Work	ion			Daily	86,143 6,750
1 1 1 2 101	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC	g Setting & BI- Description KB P. BTC SS TBG TC PINX4-1/2 L D. 6 lb/ft, J55, LT D. 6' pup 4-1/2 D. 6 lb/ft, J55, LT	HGR TC PIN TC, P700 LTC C, P700 JE SS x/o	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62	Top 20.00 20.83 23.16 65.25 79.20 4339.72	Intangi Loca Rig N Rig D Mud Wate Ceme	bles tion Mobilizat Day Work	ion			6,772.00	86,143 6,750
1 1 1 2 101 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E	g Setting & Bl- Description KB BTC SS TBG CC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O toc	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub	Length 20.00 0.83 2.33 42.09 13.95 4260.52	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits	bles tion Mobilizat Day Work r enting Soment R	ion c ervices entals	Worke		6,772.00	86,143 6,750
1 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E	g Setting & BI- Description KB PETC SS TBG C PINX4-1/2 L Description G' pup 4-1/2 Description Les Ib/ft, J55, LT Description Description C PINX4-1/2 L Description C PINX4-1/2	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o DI SS sub ipple ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Intangi Loca Rig N Rig D Mud Wate Ceme Equip Bits Case	bles tion Mobilizat Day Work r enting Soment R	ervices entals	Worke		6,772.00	86,143 6,750 24,496
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 F 2.81 F	g Setting & BH Description KB PBTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 1.6 lb/ft, J55, LT 1.5 box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nip	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub ipple ss ple	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Intangi Loca Rig N Rig D Mud Wate Ceme Equip Bits Case Wirel	bles tion Mobilizat Day Work renting Soment R	ervices entals ogs & F	Works		6,772.00	86,143 6,750 24,496
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 F 2.81 F	g Setting & Bh Description KB BTC SS TBG TC PINX4-1/2 L .6 lb/ft, J55, LT d 6' pup 4-1/2 .6 lb/ft, J55, LT D box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nipi P corvel ID AS	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub ipple ss ple	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74	Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T	ervices entals ogs & F	Works		6,772.00	86,143 6,750 24,496
1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 F 2.81 F 3-7 7x3-1/2 N	g Setting & BH Description KB BFC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub tipple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prod	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation	ervices entals ogs & F ices esting &	Works		6,772.00	86,143 6,750 24,496 13,170 4,415
1 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 F 2.81 F 3-7 7x3-1/2 N	g Setting & Bh Description KB BTC SS TBG TC PINX4-1/2 L .6 lb/ft, J55, LT d 6' pup 4-1/2 .6 lb/ft, J55, LT c box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni 1/2 NP riser nipi P corvel ID AS	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub tipple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prodi	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportatio	ervices entals ogs & F ices esting &	Works		6,772.00 350.00	86,143 6,750 24,496 13,170 4,415
1 1 1 2 101 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 7x3-1/2 N	g Setting & BH Description KB BFC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT c box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o bi SS sub lipple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prodi	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation	ervices entals ogs & F ices esting &	Works		6,772.00	86,143 6,750 24,496 13,170 4,415
1 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 Itc	g Setting & BP Description KB PETC SS TBG C PINX4-1/2 L Description G' pup 4-1/2 Description G' pup 4-1/2 Description C PINX4-1/2 Description C PINX4-	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o ol SS sub lipple ss ple 1X w/carbi SS 3-1/2 oox ss x/o	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75	Intangi Loca Rig N Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportatio	ervices entals ogs & F ices esting &	Workd		6,772.00 350.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800
1 1 1 2 101 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 11 8' at 4-1/2,11 4-1/2 LTC 7X3-1/2 IT 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 Itc p	g Setting & BH Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT C box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue bess seal bore ss	HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub tipple ss ple 1X w/carbi DSS 3-1/2 DOX SS x/o assem	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Intangi Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor 8	ervices entals ogs & F ices esting &	Workd		350.00 1,800.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	Tubin 4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 ltc p 7x5x4 : x 5" x 4" du	g Setting & Bh Description KB BFC SS TBG FC PINX4-1/2 L 6 lb/ft, J55, LT and 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O tox 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap	HGR TC PIN TC, P700 LTC TC, P700 US S x/o DI SS sub tipple ss ple 1X w/carbi SS 3-1/2 DOX SS x/o assem tak packer (Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prod Stimu Trans Supe Misc. Tang	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportatio rvision Labor 8 ibles	ervices entals ogs & F ices esting &	Workd		350.00 1,800.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800 157,619
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 F 2.81 F 3-7 7x3-1/2 N 2.75 R L 4-1/2 ltc r 7x5x4: x 5" x 4" du -1/2" LTC k	g Setting & BP Description KB PETC SS TBG C PINX4-1/2 L Description G' pup 4-1/2 Description G' pup 4-1/2 Description C PINX4-1/2 Description C Pinx4-	HGR TC PIN TC, P700 LTC TC, P700 JE SS x/o to SS sub lipple ss ple 1X w/carbi SS 3-1/2 to x ss x/o assem to ak packer (E pin xo (ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prodi Stimu Trans Supe Misc. Tang Tubir	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor & ibles	ervices entals ogs & F ices esting &	Workd		350.00 1,800.00	13,170 4,415 7,075 28,800 157,619
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 4-1/2 B ⁻ 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 R 2.81 F 3-7 7X3-1/2 N 2.75 R L 4-1/2 ltc r 7X5x4 : x 5" x 4" du -1/2" LTC t	g Setting & BP Description KB BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC C, P700 DI SS sub ipple ss ple 1X w/carbi SS 3-1/2 pox ss x/o assem ask packer (E pin xo (ss)	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99 4364.43	Intangi Loca Rig M Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor & ibles ng er	ervices entals ogs & F ices esting &	Workd		350.00 1,800.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800 157,619 49,881 28,921
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 2.75"	Tubin 4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & Bh Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 .6 lb/ft, J55, LT c box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni l/2 NP riser nip P corvel ID AS 3-1/2 SS Sub .anding nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap box x 3-1/2" EU B-1/2" pup jt (ss x 2.75" R nippl	HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub tipple ss ple 1X w/carbi SS 3-1/2 box ss x/o assem ask packer (E pin xo (ss) le (ss)	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Intangi Loca Rig M Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc. Tang Tubir Pack Wellf	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportatio rvision Labor & ibles ig er nead	ervices entals ogs & F ices esting &	Workd		1,800.00 12,952.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800 157,619 49,881 28,921 48,610
1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 6.276" 5.9" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06" 3.06"	Tubin 4-1/2 B 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3-7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 x 5" x 4" du -1/2" LTC b	g Setting & BP Description KB BTC SS TBG TC PINX4-1/2 L 1.6 lb/ft, J55, LT 2 box x 3-1/2 EU EUE T2 O/O toc 3-1/2 landing ni 1/2 NP riser nip P corvel ID AS 3-1/2 SS Sub Landing nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss	HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub tipple ss ple 1X w/carbi SS 3-1/2 box ss x/o assem ask packer (E pin xo (ss) le (ss)	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99 4364.43 4368.03 4368.93	Intangi Loca Rig Mud Wate Ceme Equip Bits Case Wirel Prode Stime Trans Supe Misc. Tang Tubir Pack Wellh Conti	bles tion Mobilizat Day Work renting Soment R d Hole L ine Serv uction T ulation sportation rvision Labor & ibles ng er	ervices entals ogs & F ices esting &	Workd		350.00 1,800.00	86,143 6,750 24,496 13,170 4,415 7,075 28,800 157,619 49,881 28,921



Doto	11/4	12/24	0	roto:		DAILY V			Well Nar	no:		D	no SWD 1	
Date:				erator:						ie McWh	irtor			930-0282
Field:		San Ar		County:			Consult					Phone		
resent				in hole with					Contract			1101.6	Mesa Rig	
roducti				7"	Depth:	10,5		Wt.:	26 lb/		rade:	HCLE		5625'
ıbing C	טט:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coupli	ıng:	LTC	Pe	erfs:	4380'	- 5560'
From	_	<u>'o</u>	Hrs											
7:00	8:	00	1.0	Held PJSM	with crev	vs, rigged	l up test t	ruck, w	orked air	out of lir	ies.			
8:00	8:	30	0.5	Set packer	and teste	ed below t	est packe	er at 300	00' for 30) minutes	s, 600 p	si dropp	ed to 400 psi	. (charted
				all tests)										
8:30	9:	00	0.5	Tested ann	ulus abov	ve test pa	cker at 3	000' for	30 minu	tes. 600	psi. held	1 600 ps	si.	
9:00	_	30	0.5	Released p										
9:30		:00	0.5									ei dronr	ped to 400 ps	i
											· · ·		· ·	1.
10:00		:30	0.5	Tested ann		ve test pa	cker at 2	out for	30 minu	es, 600	psi, nei	1 600 ps	5I.	
10:30		:00		Repaired rig										
11:00	11	:30	0.5	Released to	est packe	r and trip	ped out o	f hole w	vith 15 st	ands to ~	1000'.			
11:30	12	:00	0.5	Set test pag	ker and t	test below	v packer a	at 1000'	' for 30 m	inutes. 6	00 psi 0	dropped	to 520 psi.	
12:00		:30	0.5	Tested ann									•	
												. 41 020	POI.	
12:30		00	0.5	Released to										
1:00		15	0.25										ed to 580 psi	
1:15	2:	15	1.0	Tested ann	ulus abov	ve test pa	cker at 3	0' for 30) minutes	to 600 p	si, drop	ped to 5	540 psi.	
2:15	3:	30	1.25	Ran 1 joint	of tubing	in hole ar	nd set pa	cker at	60', retes	t annulu	s for 30	minutes	s to 600 psi, c	dropped to
				580 psi.					,				1 /-	
2.20	1.	00	0.5		d of tubin	a in hala	and act n	aakar a	+ 120' to	otod opp	ulua far	20 min	itaa ta 600 na	ni hold
3:30	4:	00	0.5		a or tubin	g in noie i	and set p	acker a	it 120 , te	sted ann	ulus loi	30 mini	utes to 600 ps	si, neid
				600 psi.										
4:00	4:	30	0.5	Released p	acker an	d tripped	out of ho	le with 2	2 stands	of tubing	, laid do	wn 34A	packer, rack	ed back
				tubing.										
4:30	5:	00	0.5	Closed bline	d rams. c	losed val	ves sect	red wel	II. shut do	own for n	iaht			
			0.0		· · · · · · · · · · · · · · · · · ·		100, 0000		,		.9.1			
			0.0						,		.9			
			0.0	Elements o	n test pad	cker looke	ed good.							
			0.0	Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
				Elements o	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					led and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					led and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
				Elements o Casing fron	n test pad า ~100 ft	cker looke to surface	ed good.					ed and	not allowing t	est
			10.0	Elements o Casing fron packer to p	n test pad n ~100 ft roperly se	cker looke to surface	ed good.				r corroc			est
		l in	10.0	Elements o Casing fron packer to pi	n test pad n ~100 ft roperly se	cker looke to surface eal.	ed good. e appears	s to eith	er be sca		r corroc	ed and	t	
Qty	OD	ID	10.0	Elements o Casing fron packer to pi	n test pad n ~100 ft roperly se	cker looke to surface eal.	ed good.	s to eith	er be sca		r corroc			
Qty		ID	10.0 Tubin	Elements o Casing fron packer to proceed to	n test pad n ~100 ft roperly se	cker looke to surface eal. Length	ed good. e appears Top	Intangib	er be sca	aled up o	r corroc		t	
Qty 1	OD		10.0 Tubin	Elements o Casing fron packer to proceed to	n test pad n ~100 ft roperly se	cker looke to surface eal. Length 20.00 0.83	ed good. e appears Top	Intangib Locat	er be sca	aled up o	r corroc		t Daily	Cumulati
Qty 1 1 1	OD 4.5"	4.0"	10.0 Tubin 4-1/2 4-1/2 BT	Elements o Casing fron packer to property of the property of t	n test pad n ~100 ft roperly se	Length 20.00 0.83 2.33	Top 20.00 20.83	Intangib Locat Rig M	er be sca	aled up o	r corroc		t	Cumulati
Qty 1	OD		10.0 Tubin 4-1/2 4-1/2 BT	Elements o Casing fron packer to proceed to	n test pad n ~100 ft roperly se	cker looke to surface eal. Length 20.00 0.83	Top 20.00 20.83 23.16	Intangib Locat Rig M Rig Da	er be sca oles ion obilizat ay Work	aled up o	r corroc		t Daily	Cumulati
Qty 1 1	OD 4.5"	4.0"	10.0 Tubin 4-1/2 B1 4-1/2, 11	Elements o Casing fron packer to property of the property of t	n test pace n ~100 ft roperly se	Length 20.00 0.83 2.33	Top 20.00 20.83 23.16	Intangib Locat Rig M	er be sca oles ion obilizat ay Work	aled up o	r corroc		t Daily	Cumulati 92,998
Qty 1 1 1	OD 4.5"	4.0"	10.0 Tubin 4-1/2 4-1/2 B1 4-1/2, 11 8' ar	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT	n test pad n ~100 ft roperly se	Length 20.00 0.83 2.33 42.09	Top 20.00 20.83 23.16 65.25	Intangib Locat Rig M Rig Da Mud Water	er be sca oles ion obilizat ay Work	ion	r corroc		t Daily	Cumulati 92,998
Qty 1 1 1 2 101	OD 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	10.0 Tubin 4-1/2 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11	Elements o Casing fron packer to property g Setting & Bh Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT dd 6' pup 4-1/2 6 lb/ft, J55, LT	n test pad n ~100 ft roperly se HA HGR TC PIN TC, P700 LTC	Length 20.00 0.83 2.33 42.09 13.95 4260.52	Top 20.00 20.83 23.16 65.25 79.20	Intangib Locat Rig M Rig Da Mud Water Ceme	oles ion obilizat ay Work	ion	r corroc		t Daily 6,852.00	92,998 6,750
Qty 1 1 1 2 101 1	OD 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG TC PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT	n test pad n ~100 ft roperly se HGR TC PIN C, P700 LTC C, P700 JE SS x/o	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62	Top 20.00 20.83 23.16 65.25 79.20 4339.72	Intangib Locat Rig M Rig Da Mud Water Ceme Equip	er be sca oles ion obilizat ay Work	ion	r corroc		t Daily	92,995 6,750
Qty 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O toc	HA HGR TC PIN TC, P700 LTC C, P700 UE SS x/o ol SS sub	Length 20.00 0.83 2.33 42.09 13.95 4260.52	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits	oles ion obilizat ay Work	ion	r corroco Worke		t Daily 6,852.00	92,998 6,750
Qty 1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O tod 3-1/2 landing ni	n test pad n ~100 ft roperly se HA HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits	oles ion obilizat ay Work enting Soment R	ion cervices entals	r corroco Worke		t Daily 6,852.00	92,995 6,750 24,846
Qty 1 1 2 101 1 1	4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2, 11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Elements o Casing fron packer to property of the property of t	n test pad n ~100 ft roperly se HA HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli	er be sca bles ion obilizat ay Work enting So ment R	ion ervices entals ogs & F	worke		t Daily 6,852.00	92,998 6,750 24,846
Qty 1 1 1 2 101 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2, 11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O tod 3-1/2 landing ni	n test pad n ~100 ft roperly se HA HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli	oles ion obilizat ay Work enting Soment R	ion ervices entals ogs & F	worke		t Daily 6,852.00	92,995 6,750 24,846
Qty 1 1 2 101 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2, 11 4-1/2 LTC 7X3-1/2 E 2.81 F 3	Elements o Casing fron packer to property of the property of t	n test pad n ~100 ft roperly se HA HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli	er be sca lossion lobilizat ay Work enting Sement R d Hole L ine Serv	ion ervices entals ogs & F	worke		t Daily 6,852.00	92,995 6,750 24,846
Qty 1 1 2 101 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 5.875"	4.0" 4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3 3-1 7x3-1/2 N	Elements o Casing fron packer to pi packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT E box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS	HA HGR TC PIN CC, P700 LTC CC, P700 JE SS x/o ol SS sub pple ss ple IX w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.24 4342.74 4350.71	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu	oles ion obilizat ay Work enting Soment R d Hole L ine Serv uction T	ion cervices entals ogs & Fices esting &	worke		t Daily 6,852.00	92,995 6,750 24,846 13,170 4,415
Qty 1 1 2 101 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3 3-1 7x3-1/2 N	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple S	HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple IX w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu Trans	oles ion obilizat ay Work ment R oment R d Hole L ine Serv uction T	ion cervices entals ogs & Fices esting &	worke		6,852.00	92,995 6,750 24,846 13,170 4,415
Qty 1 1 2 101 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F3 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p	Elements o Casing fron packer to property of the process of the pr	n test pad n ~100 ft roperly se HGR TC PIN TC, P700 LTC C, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple 1X w/carbi	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu Trans Super	er be sca bles ion obilizat ay Work enting Soment R oment R d Hole L ine Serv action T alation portation	ervices entals ogs & Fices esting &	Works		6,852.00 350.00	92,995 6,750 24,846 13,170 4,415 7,075 30,600
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	10.0 Tubin 4-1/2 B1 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F: 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p	Elements o Casing fron packer to pi packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT EDET 2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue bes seal bore ss	HGR TC PIN C, P700 LTC C, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple IX w/carbi DSS 3-1/2 DOX SS x/o assem	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Intangib Locati Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu Trans Super Misc.	er be sca bles ion obilizat ay Work enting Serve enting Serve ione Serve iction Tellation portation rvision Labor &	ervices entals ogs & Fices esting &	Works		6,852.00	92,995 6,750 24,846 13,170 4,415 7,075 30,600
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	10.0 Tubin 4-1/2 BT 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F; 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dus	Elements o Casing fron packer to pi packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap	n test pace n ~100 ft roperly see n ~100 ft	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu Trans Super Misc. Tangi	oles ion obilizat ay Work enting Soment R ine Serv action Tellation sportation cryision Labor & bles	ervices entals ogs & Fices esting &	Works		6,852.00 350.00	92,995 6,750 24,846 13,170 4,415 7,075 30,600 162,237
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	10.0 Tubin 4-1/2 BT 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F; 3-1 7x3-1/2 N 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dus	Elements o Casing fron packer to pi packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT EDET 2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue bes seal bore ss	n test pace n ~100 ft roperly see n ~100 ft	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Casec Wireli Produ Stimu Trans Super Misc. Tangi Tubin	er be sca ples ion obilizat ay Work enting Se ment R d Hole L ine Serv uction T ulation portation torvision Labor & bles	ervices entals ogs & Fices esting &	Works		6,852.00 350.00	92,995 6,750 24,846 13,170 4,415 7,075 30,600 162,237
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 6.276" 5.9"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F 3 3-1 7x3-1/2 NI 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Elements o Casing fron packer to pi packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap	n test pade n ~100 ft roperly set n ~100 ft	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4357.02 4363.99	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Cased Wireli Produ Stimu Trans Super Misc. Tangi	er be sca ples ion obilizat ay Work enting Se ment R d Hole L ine Serv uction T ulation portation torvision Labor & bles	ervices entals ogs & Fices esting &	Works		6,852.00 350.00	92,995 6,750 24,846 13,170 4,415 7,075 30,600 162,237
Qty 1 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 5.875" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 3.06" 4.25" 4.25" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2, 11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 E 2.81 F : 3-1 7x3-1/2 Ni 2.75 R L 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 16 lb/ft, J55, LT box x 3-1/2 EU EUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple S sin x3-1/2 eue b ss seal bore ss al bore Permap fox x 3-1/2" EU	HA HGR TC PIN TC, P700 LTC C, P700 JE SS x/o ol SS sub pple ss ple IX w/carbi SS 3-1/2 loox ss x/o assem ak packer (E pin xo (ss	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 7.97 4.17 0.87 0.52 0.75 6.97 0.44	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43	Intangib Locat Rig M Rig Da Mud Water Ceme Equip Bits Casec Wireli Produ Stimu Trans Super Misc. Tangi Tubin	er be sca bles ion obilizat ay Work enting Servention To interest Servention To ilation portation rvision Labor & bles bles	ervices entals ogs & Fices esting &	Works		6,852.00 350.00	24,846 13,170 4,415 7,075 30,600 162,237 49,881 28,921
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 3.06" 2.99" 3.06" 2.75" 4.25" 4.25" 4.25" 4.25" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F; 3-1 7x3-1/2 Nc 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Elements o Casing fron packer to pi g Setting & BH Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT d 6' pup 4-1/2 16 lb/ft, J55, LT d 6' pup 4-1/2 17 landing ni 17 NP riser nipi 18 Sub anding nipple Soin x3-1/2 eue b ss seal bore ss al bore Permap 18 seal bore Permap 18 sanding nipple Soin x3-1/2" pup jt (ss x 2.75" R nippl	n test pace n ~100 ft roperly see n ~100 ft	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60 0.90	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03	Intangib Locati Rig M Rig Da Mud Water Ceme Equip Bits Casec Wireli Produ Stimu Trans Super Misc. Tangi Tubin Packe Wellh	er be sca bles ion obilizat ay Work enting Serventing Servention To illation Exportation cryision Labor & bles bles ger ead	ion cervices entals ogs & Fices esting &	Works		6,852.00 350.00 1,800.00 4,618.00	24,846 13,170 4,415 7,075 30,600 162,237 49,881 28,921 48,610
Qty 1 1 2 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 3.5" 3.5" 3.5" 3.5" 4.5" 4.5" 4.5" 4.5" 3.5"	4.0" 4.0" 4.0" 3.06" 3.06" 2.81" 3.06" 2.99" 3.06" 4.25" 4.25" 3.06" 3.06"	10.0 Tubin 4-1/2 B1 4-1/2,11 8' ar 4-1/2,11 4-1/2 LTC 7X3-1/2 N 2.81 F; 3-1 7x3-1/2 Nc 4-1/2 Itc p 7x5x4 s x 5" x 4" dua -1/2" LTC b	Elements o Casing fron packer to pi g Setting & BF Description KB BTC SS TBG C PINX4-1/2 L 6 lb/ft, J55, LT d 6' pup 4-1/2 6 lb/ft, J55, LT d 6' pup 4-1/2 LEUE T2 O/O too 3-1/2 landing ni /2 NP riser nipi P corvel ID AS 3-1/2 SS Sub anding nipple Soin x3-1/2 eue too ss seal bore ss al bore Permap pox x 3-1/2" EUI 3-1/2" pup jt (ss	n test pace n ~100 ft roperly see n ~100 ft	Length 20.00 0.83 2.33 42.09 13.95 4260.52 0.62 1.90 0.50 7.97 4.17 0.87 0.52 0.75 6.97 0.44 3.60	Top 20.00 20.83 23.16 65.25 79.20 4339.72 4340.34 4342.24 4342.74 4350.71 4354.88 4355.75 4356.27 4363.99 4364.43 4368.03 4368.93	Intangib Locati Rig M Rig Da Mud Water Ceme Equip Bits Casec Wireli Produ Stimu Trans Super Misc. Tangi Tubin Packe Wellh	er be sca ples ion obilizat ay Work enting So ment R enting So ment R contain contain portation contain contain portation contain contain portation contain	ion cervices entals ogs & Fices esting &	Works		6,852.00 350.00	92,999 6,750 24,840 13,170 4,411 7,071 30,600 162,231 49,88 28,92



Dete	1114	12/04							EPORT			D.	(DO CIMP 4	
Date:		13/24		erator:			stream, L		Well Na		rto-		no SWD 1	020 0000
Field:		San Ar		County:	Lea,		Consult			ie McWhi		Phone		930-0282
resent (ng in hole w			•			tor & Rig			Mesa Rig	
roduction				7"	Depth:		556'	Wt.:	26 lb/		ade:	HCL		5625'
ıbing O	DD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LTC	Pe	erfs:	4380'	- 5560'
From		о	Hrs											
7:00	7:	30	0.5	Held PJSM										
7:30	8:	00	0.5	Picked up c	n/off tool	and 2-7/	8" perfora	ated su	b.					
8:00	9:	00	1.0	Tripped in h						cer set at 4	1340'.			
9:00		:30	1.5						•			wn 2-7/	/8" work string	r
10:30	_	:00	0.5	Broke dowr									o work ourne	j.
									, раске	Scals look	eu god			
11:00		:30	0.5	Waited on I										
11:30	1:	00	1.5										ring and colla	
				tagged top	of perma	pak pack	er at 436	6' (wire	line meas	surement)	, mark	ed line,	pulled out of	hole with
				gauge ring.										
1:00	2.	00	1.0		ew AS1X	nacker:	and went	in hole	on wireli	ne Set na	cker a	t 4325'	(wireline mea	surement
1.00			1.0										·	
													confirm set.	
						334' (wire	line mea	sureme	ent). Mov	ed packer	setting	depth 1	from 4331' to	4325' to
[avoid collar										
2:00	2:	30	0.5	Pulled out o	of hole wit	th wireline	e and rigg	ged dov	vn truck a	and lubrica	tor (flu	ıid level	was 750').	
2:30	4.	00	1.5										acker and cas	ing agains
2.00	<u>''</u>		1.0										15 minutes 70	
														o psi
				pressure in										
4:00	5:	00	1.25	Made up ne	w on/off	tool to bo	ttom of 4	-1/2", J	-55, 11.6	0 lb/ft, LT0	C, 8R,	P700 lir	ned tubing (pr	evious
				string that v	vas in the	well). Cl	osed pipe	e rams	and teste	d BOPs to	600 p	si for 1	5 minutes, go	od test.
5:15	6:	00	0.75										ıp joints at 25	
0.10	-		0.70	1620 ft/lbs t										
					orque (or	Juillulli).	I Vall I U IV	טווונס נט	ıaı.					
				Closed nine	. , ,				own for n	iaht				
				Closed pipe	. , ,				own for n	ight				
				Closed pipe	. , ,				own for n	ight				
				Closed pipe	. , ,				own for n	ight				
			11.0	Closed pipe	. , ,				own for n	ight				
			11.0	Closed pipe	e rams, in				own for n	ight	Worke	over Cos	ıt	
Qty	OD	l ID		g Setting & BH	e rams, in	stalled T	IW valve,	shut d		ight	Worke	over Cos		Cumulati
Qty	OD	ID			e rams, in	stalled T		shut d	bles	ight	Worke	over Cos	t Daily	Cumulati
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	shut d	bles tion		Worke	over Cos		Cumulati
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	shut d	bles tion lobilizat	ion	Worke	over Cos	Daily	
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D	bles tion	ion	Worke	over Cos		
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud	bles tion lobilizat	ion	Works	over Cos	Daily	100,695
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangii Locat Rig M Rig D Mud Wate	bles tion lobilizat ay Worl	ion	Works	over Cos	Daily	100,695
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangii Locat Rig M Rig D Mud Wate	bles tion lobilizat	ion	Worko	over Cos	Daily	100,695
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Local Rig M Rig D Mud Wate Ceme	bles tion lobilizat ay Worl	ion (Worko	over Cos	Daily	100,695 6,750
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme	bles tion lobilizat ay Worl r enting S	ion (Worke	over Cos	7,700.00	100,695 6,750
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits	bles tion lobilizat lay Worl r enting S oment R	ion (ervices entals		over Cos	7,700.00	100,695 6,750
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangii Locat Rig M Rig D Mud Wate Ceme Equip Bits Case	bles tion lobilizat Pay Worl r enting S oment R	ion c ervices entals		over Cos	7,700.00 350.00	100,695 6,750 25,196
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	bles tion lobilizat ay Worl r enting S oment R d Hole L ine Serv	ion c ervices entals .ogs & Porices	erf.	over Cos	7,700.00 350.00 7,726.00	100,699 6,750 25,196 20,896
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv	ion c ervices entals	erf.	over Cos	7,700.00 350.00	100,699 6,750 25,196 20,896
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	bles tion lobilizate lay Worl renting S oment R d Hole L ine Serv	ion (ervices entals .ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00	25,196 20,896 6,198
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv	ion (ervices entals .ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00	25,196 20,896 6,198
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangii Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	bles tion lobilizate lay Worl renting S oment R d Hole L ine Serv	ion (ervices entals .ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00	25,196 20,896 6,198 8,150
Qty	OD	ID		g Setting & Bl Description	e rams, in	stalled T	IW valve,	Intangil Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision	ion c ervices entals ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	25,196 25,196 20,896 6,198 8,150 32,400
			Tubin	g Setting & Bh Description KB	e rams, in	Length 20.00	IW valve,	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc.	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision Labor 8	ion (ervices entals .ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00	25,196 25,196 20,896 6,198 8,150 32,400
1	5.9"	4.25"	Tubin	g Setting & BI- Description KB	e rams, in	Length 20.00	Top	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc. Tang	bles tion lobilizate lay Worl renting S ment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles	ion c ervices entals ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	20,896 6,198 8,150 32,400
1 1	5.9"	4.25" 3.06"	Tubin	g Setting & BH Description KB	e rams, in	Length 20.00 6.97 0.44	Top	Intangii Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc. Tang Tubir	bles tion lobilizate lay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles	ion c ervices entals ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	20,896 6,198 8,150 32,400 177,002
1 1 1	5.9" 4.5" 3.5"	4.25" 3.06" 3.06"	X 5" x 4" du:	g Setting & BH Description KB al bore Permap box x 3-1/2" EUI 3-1/2" pup jt (ss	e rams, in	Length 20.00 6.97 0.44 3.60	Top 6.97 7.41	Intangii Locar Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc. Tang Tubir Pack	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles	ion c ervices entals ogs & Porices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	20,896 6,198 8,150 32,400 177,002 49,881 28,921
1 1	5.9"	4.25" 3.06"	X 5" x 4" du:	g Setting & BH Description KB	e rams, in	Length 20.00 6.97 0.44	Top 6.97 7.41 11.01	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc. Tang Tubir Packe Wellh	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles ig er	ion C ervices entals ogs & Perices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	20,896 6,198 8,150 32,400 177,002 49,881 28,921
1 1 1	5.9" 4.5" 3.5"	4.25" 3.06" 3.06"	X 5" X 4" du: -1/2" LTC b 3 3-1/2"	g Setting & BH Description KB al bore Permap box x 3-1/2" EUI 3-1/2" pup jt (ss	ak packer (E pin xo (ss))	Length 20.00 6.97 0.44 3.60	Top 6.97 7.41 11.01	Intangil Locat Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu Trans Supe Misc. Tang Tubir Packe Wellh	bles tion lobilizate ay Worl renting S oment R d Hole L ine Serv uction T ulation sportation rvision Labor 8 ibles	ion C ervices entals ogs & Perices esting &	erf.	over Cos	7,700.00 350.00 7,726.00 1,783.00 1,075.00 1,800.00	25,196 25,196 20,896 6,198 8,150 32,400



D - 1	1 441	14/04	_					VER F			ı			VID 0 0 1	
Date:		14/24		rator:			Istream, L			Name:	<u> </u>			yno SWD 1	000 0000
Field:		San Ar		County:			Consult			onnie M			Phone		930-0282
Present				aiting on pup						ractor 8				Mesa Rig	
roduct					Depth:		556'	Wt.:		lb/ft		ade:	HCL		5625'
ubing (OD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	LT	С	Pe	erfs:	4380'	- 5560'
From	1	⁻ о	Hrs												
7:00	7:	:30	0.5	Held PJSM	with all c	rews.									
7:30	8:	:00	0.5	Riaged up M	/lonahan	s test tru	ck. tested	casin	and r	oacker t	o 700	psi fo	r 30 mi	nutes (good te	est).
8:00		:30	0.5	Rigged dow								-		(3	,
8:30		:00	8.5										tocting	g each joint to	5000 pci
0.30	1 3	.00	0.5											space out, she	
						раскег а	14323,10	elease	u mom	раске	anu n	leasui	eu ioi	space out, sin	JIL 12 UI
				pups for lan											
5:00	6:	:00	1.0	Reverse circ	culated w	vith 100 b	bls of pa	cker flu	uid and	brine v	vater.	Secur	ed well	and shut dow	n for night.
				Sent 150 joi	nts of 2-	7/8" tubin	ıq (work s	tring) l	oack to	Kight o	il tool	s in O	dessa		
				Pup joints so											
	-			i up joints st	Criedulec	i to be or	liocation	atira	aiii.						
	1														
			11.0												
			11.0	a Settina & BH	IA							Worke	over Co	st	
Otv				g Setting & BH	IA.	Longth	Ton	Intansi	bloc			Worke	over Cos		Cumulativ
Qty	OD	ID		Description	IA .	Length	Тор	Intangi				Worke	over Cos	st Daily	Cumulativ
Qty	OD	ID			IA.	Length 20.00	 	Loca	tion			Worke	over Cos		Cumulativ
Qty	OD	ID		Description	IA .		 	Loca Rig M	tion /lobili:	zation		Worke	over Cos	Daily	
Qty	OD	ID		Description	IA .		 	Loca Rig M	tion			Worke	over Cos		
Qty	OD	ID		Description	IA		 	Loca Rig M	tion /lobili:			Worke	over Cos	Daily	
Qty	OD	ID		Description	IA		 	Loca Rig M Rig D Mud	tion /lobiliz Day W			Worke	over Cos	Daily	108,495.
Qty	OD	ID		Description	IA		 	Loca Rig M Rig D Mud Wate	tion //obili Day W	ork		Works	over Cos	Daily	108,495
Qty	OD	ID		Description	IA		 	Rig Mud Wate	tion //obiliz Day W er enting	ork g Servi		Works	over Cos	7,800.00	108,495
Qty	OD	ID		Description	IA		 	Loca Rig M Rig D Mud Wate Ceme	tion //obiliz Day W er enting	ork		Works	over Cos	Daily	108,495
Qty	OD	ID		Description	IA		 	Rig Mud Wate	tion //obiliz Day W er enting	ork g Servi		Works	over Cos	7,800.00	108,495
Qty	OD	ID		Description	IA		 	Loca Rig M Rig E Mud Wate Ceme	tion Mobiliz Day W er enting pmen	ork j Servi t Renta	als		over Co	7,800.00	108,495
Qty	OD	ID		Description	IA		 	Rig I Rig I Mud Wate Ceme Equi Bits	tion Mobiliz Day W er enting pmen	ork J Servi t Renta e Logs	als & Pe		over Co	7,800.00	108,495. 6,750. 25,546.
Qty	OD	ID		Description	IA		 	Rig Mud Wate Ceme Equi Bits Case	tion Mobiliz Day W er enting pmen	Servi t Renta e Logs	als & Pe	erf.	over Cos	7,800.00 350.00	108,495 6,750 25,546 20,896
Qty	OD	ID		Description	IA		 	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliz Day W er enting pmen ed Hol line Se	y Servi t Renta e Logs ervices	als & Pe	erf.	over Cos	7,800.00	108,495 6,750 25,546 20,896
Qty	OD	ID		Description	IA		 	Rig Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliz Day W r enting pmen ed Hol line Se uction ulatio	ork J Servi t Renta e Logs ervices n Testi n	als & Pe	erf.	over Cos	7,800.00 350.00	108,495 6,750 25,546 20,896
Qty	OD	ID		Description	IA		 	Rig Mud Wate Ceme Equi Bits Case Wire Prod	tion Mobiliz Day W er enting pmen ed Hol line Se	ork J Servi t Renta e Logs ervices n Testi n	als & Pe	erf.	over Cos	7,800.00 350.00	108,495. 6,750. 25,546. 20,896. 7,090.
Qty	OD	ID		Description	IA		 	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime	tion Mobiliz Day W er enting pmen ed Hol line Se uction ulation sporta	ork J Servi Renta e Logs ervices n Testi n ation	als & Pe	erf.	over Cos	7,800.00 350.00	108,495. 6,750. 25,546. 20,896. 7,090. 8,150.
Qty	OD	ID		Description	IA		 	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobiliz Day W or enting pmen dd Hol line So uction ulatio sprota	y Servi t Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00 892.00	20,896. 7,090. 34,200.
			Tubin	Description KB		20.00	 	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc	tion Mobiliz Day W er enting pmen dd Hol line Se uction ulation sporta ervision	ork J Servi Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00	20,896. 7,090. 34,200.
Qty 1	5.9"	4.25"	Tubin	Description KB	ak packer (Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang	dobilizer Mobilizer Mobili	y Servi t Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00 892.00	108,495. 6,750. 25,546. 20,896. 7,090. 8,150. 34,200. 190,552.
		4.25"	Tubin	Description KB	ak packer (20.00		Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc	dobilizer Mobilizer Mobili	y Servi t Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00 892.00	20,896. 7,090. 34,200.
1	5.9"	4.25"	Tubin x 5" x 4" dua -1/2" LTC b	Description KB al bore Permapa ox x 3-1/2" EUE	ak packer (E pin xo (ss	6.97	6.97	Loca Rig M Rig I Mud Wate Cem Equi Bits Case Wire Prod Stim Tran Supe Misc Tang Tubii	tion Mobiliz Day W or enting pmen d Hol line So uction ulatio sporta rvisio Labo libles	y Servi t Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00 892.00	108,495. 6,750. 25,546. 20,896. 7,090. 8,150. 34,200. 190,552.
1 1 1	5.9" 4.5" 3.5"	4.25" 3.06" 3.06"	Tubin x 5" x 4" du: -1/2" LTC b	Description KB al bore Permapa ox x 3-1/2" EUE 5-1/2" pup jt (ss)	ak packer (Ē pin xo (ss	6.97 0.44 3.60	6.97	Loca Rig M Rig I Mud Wate Ceme Equi Bits Case Wire Prod Stim Trans Supe Misc Tang Tubii Pack	tion Mobiliz Day W or enting pmen dine So uction ulatio sporta ervisio Labo jibles ng er	y Servi t Renta e Logs ervices n Testi n ation	als s & P∈ s ng &	erf.	over Cos	7,800.00 350.00 892.00	108,495. 6,750. 25,546. 20,896. 7,090. 8,150. 34,200. 190,552. 49,881. 28,921.
1 1 1 1 1	5.9" 4.5" 3.5" 3.5"	4.25" 3.06" 2.75"	X 5" X 4" dua -1/2" LTC b 3 3-1/2"	Description KB al bore Permapa ox x 3-1/2" EUE 3-1/2" pup jt (ss) x 2.75" R nipple	ak packer (E pin xo (ss e (ss)	6.97 0.44 3.60 0.90	6.97 7.41	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	tion Mobiliz Day W er enting pmen ed Hol line Se uction ulation sporta ervision Labo libles ng er nead	g Servi t Renta e Logs ervices n Testi n ation or & Se	als & Pes ng &	erf.	over Cos	7,800.00 350.00 892.00 1,800.00 13,550.00	108,495 6,750 25,546 20,896 7,090 8,150 34,200 190,552 49,881 28,921 48,610
1 1 1 1	5.9" 4.5" 3.5"	4.25" 3.06" 3.06"	X 5" X 4" dua -1/2" LTC b 3 3-1/2"	Description KB al bore Permapa ox x 3-1/2" EUE 5-1/2" pup jt (ss)	ak packer (E pin xo (ss e (ss)	6.97 0.44 3.60	6.97 7.41 11.01 11.91	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	tion Mobilizion Pay W er enting pmen d Hol line Se uction ulation sporta ervision Labo libles ng er nead ingen	y Servi t Renta e Logs ervices n Testi n ation on or & Se	als & Pes ng &	erf.	over Cos	7,800.00 350.00 892.00	108,495 6,750 25,546 20,896 7,090 8,150 34,200 190,552 49,881 28,921 48,610 52,909



Date:									REPOR						
		15/24		erator:			stream, L		Well N					/no SWD 1	
Field:		San Ar		County:	Lea,		Consult	ant:			ИсWhi		Phone		930-0282
resent					cheduled				Contra				L	Mesa Rig	
roducti				7"	Depth:		556'	Wt.:		lb/ft		ade:		80 PBTD :	5625'
ubing C	OD:	4	-1/2"	Wt:	11.6	Grade:	J-55	Coup	ling:	L	TC	Pe	erfs:	4380'	- 5560'
	-			ı											
From		Γο • • • • • • • • • • • • • • • • • • •	Hrs	147 - 14 - 1	4.4/01.44	00 11 /51	1.55 L.T.C	<u> </u>	DO						
7:00):30	3.5	Waited on											
10:30		:00	0.5	-			-						g in 30k	lbs compress	sion.
11:00		:30	0.5	Rigged dov		,					•				
11:30	2:	:00	2.5											oled up injection	on tree
				and flowline	e, tested f	langes to	3000 ps	i with E	ncore	wellhe	ead tec	h, goo	d test.		
2:00	2:	:30	0.5	Rigged up	Renegade	e slick lin	e truck, ra	an in h	ole and	retrie	ved 2.	81" F p	olug, pu	lled out of hol	e and
				rigged dow	n slick line	e truck.									
2:30	4:	:00	1.5	Rigged up	Monahans	s test truc	ck. perfor	med a	nulus	test o	n casir	na to 50	00 psi fo	or 1 hour, goo	d test.
							-					-		at 9:30 am cer	
				meet with (_		10.00 am oci	ili di timo to
	1							•						holou seller	nd 1 = -
						-					• •	arnage	u tube l	below collar a	na i no
	1			drift with hy	dro tester	r), and 6	pup joints	on ed	ge of lo	cation	٦.				
	1														
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	-														
	1														
			9.0												
				g Setting & Bl	HA							Works	over Cos	st	
Qty	OD	l ID		g Setting & Bl	HA	Length	Тор	Intangi	bles			Worke	over Cos	st Daily	Cumulative
Qty	OD	ID			HA	Length 20.00						Worke	over Cos		Cumulative
•		ID	Tubin	Description KB		20.00		Loca	tion	ation		Worke	over Cos		Cumulative
1	4.5"		Tubin 4-1/2	Description KB BTC TBG HG	R (ss)	20.00	20.00	Loca Rig N	tion Iobiliz			Worke	over Cos	Daily	
1	4.5" 4.5"	4.0"	4-1/2 4-1/2 BT	Description KB BTC TBG HG	R (ss) LTC PIN	20.00 0.80 2.40	20.00	Loca Rig M	tion			Worke	over Cos		
1 1 1	4.5" 4.5" 4.5"	4.0"	4-1/2 4-1/2 BT 4-1/2, 1	Description KB BTC TBG HGI C PIN x 4-1/2 I 1.6 lb/ft, J55, L7	R (ss) LTC PIN IC, P700	20.00 0.80 2.40 42.20	20.00 20.80 23.20	Loca Rig M Rig D Mud	tion Iobiliz Iay Wo			Worke	over Cos	Daily	116,295.
1	4.5" 4.5" 4.5" 4.5"	4.0"	4-1/2 4-1/2 BT 4-1/2, 11	Description KB BTC TBG HG TC PIN x 4-1/2 I 1.6 lb/ft, J55, L7 '8' 8' 6' 4-1/2 L	R (ss) LTC PIN IC, P700	20.00 0.80 2.40	20.00 20.80 23.20 65.40	Loca Rig N Rig D Mud Wate	tion Iobiliz Pay Wo	ork		Worke	over Cos	Daily	116,295.
1 1 1	4.5" 4.5" 4.5"	4.0"	4-1/2 4-1/2 BT 4-1/2, 11	Description KB BTC TBG HGI C PIN x 4-1/2 I 1.6 lb/ft, J55, L7	R (ss) LTC PIN IC, P700	20.00 0.80 2.40 42.20	20.00 20.80 23.20 65.40 97.80	Loca Rig M Rig D Mud Wate Ceme	tion lobiliz ay Wo r enting	ork Serv	ices	Worke	over Cos	Daily	116,295.
1 1 1 4	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 BT 4-1/2 BT 4-1/2, 11 10 4-1/2, 11	Description KB BTC TBG HG TC PIN x 4-1/2 I 1.6 lb/ft, J55, L7 '8' 8' 6' 4-1/2 L	R (ss) LTC PIN TC, P700 .TC	20.00 0.80 2.40 42.20 32.40	20.00 20.80 23.20 65.40 97.80	Loca Rig M Rig D Mud Wate Ceme	tion Iobiliz Pay Wo	ork Serv	ices	Worke	over Cos	Daily	116,295. 6,750.
1 1 1 4 100	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 BT 4-1/2, 11 4-1/2, 11 4-1/2, 11 4-1/2 LTC	Description KB BTC TBG HG C PIN x 4-1/2 I 6 lb/ft, J55, L ⁻¹ ' 8' 8' 6' 4-1/2 L 6 lb/ft, J55, L ⁻¹	R (ss) LTC PIN TC, P700 TC TC TC, P700 JE x/o (ss)	20.00 0.80 2.40 42.20 32.40 4221.42	20.00 20.80 23.20 65.40 97.80 4319.22	Loca Rig M Rig D Mud Wate Ceme	tion lobiliz lay Wo r enting	ork Serv	ices	Worke	over Cos	7,800.00	116,295. 6,750.
1 1 1 4 100	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81"	4-1/2 BT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on	Description KB BTC TBG HG TC PIN x 4-1/2 L 1.6 lb/ft, J55, L7 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2.	R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84	Loca Rig M Rig D Mud Wate Ceme Equip Bits	tion lobiliz lay Wo r enting oment	Serv Rent	ices als		over Cos	7,800.00	116,295. 6,750.
1 1 1 4 100 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 7"	4.0" 4.0" 4.0" 4.0" 2.81" 2.99"	4-1/2 HT 4-1/2, 1° 4-1/2, 1° 4-1/2, 1° 4-1/2 LTC 3-1/2" on 7" AS1	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L ⁻¹ 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L ⁻¹ 5 box x 3-1/2 EU //off tool with 2. X, NC, W/SS v	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) vet flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case	tion lobilized lay Wo r enting oment	Serv Rent	ices als		over Cos	7,800.00 2,000.00	116,295. 6,750. 27,546.
1 1 1 4 100 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 7" 7"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99"	4-1/2 4-1/2 BT 4-1/2, 1 ¹ 10 4-1/2, 1 ¹ 4-1/2 LTC 3-1/2" on 7" AS1	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L ⁻¹ 1.8 8 6 4-1/2 L 1.6 lb/ft, J55, L ⁻¹ box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F	R (ss) LTC PIN IC, P700 TC IC, P700 JE x/o (ss) 81" F (ss) wet flow PKR	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wire	tion Mobiliz Day Wo r Penting Doment d Hole ine Se	Serv Rent	ices tals s & Poss	erf.	over Cos	7,800.00 2,000.00 4,000.00	116,295. 6,750. 27,546. 24,896.
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" 3	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74	Loca Rig M Rig C Mud Wate Ceme Equi Bits Case Wire	tion Mobiliz Day Wo r enting ment d Hole ine Se uction	Serv Rent Log	ices tals s & Poss	erf.	over Cos	7,800.00 2,000.00	116,295. 6,750. 27,546. 24,896.
1 1 1 4 100 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 7" 7"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" 3	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L ⁻¹ 1.8 8 6 4-1/2 L 1.6 lb/ft, J55, L ⁻¹ box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F	R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Loca Rig M Rig C Mud Wate Ceme Equip Bits Case Wirel Prod Stime	tion Mobiliz Day Wo r Penting Diment d Hole ine Se uction ulation	Serv Rent Log rvice	ices tals s & Poss	erf.	over Cos	7,800.00 2,000.00 4,000.00	116,295. 6,750. 27,546. 24,896. 12,082.
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" 3	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobiliz Day Wo r enting oment d Hole ine Se uction ulation	Serv Rent Log rvice Test	ices tals s & Poss	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	116,295. 6,750. 27,546. 24,896. 12,082.
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" 3	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wire Prod Stime	tion Mobiliz Day Wo r Penting Diment d Hole ine Se uction ulation	Serv Rent Log rvice Test	ices tals s & Poss	erf.	over Cos	7,800.00 2,000.00 4,000.00	116,295. 6,750. 27,546. 24,896. 12,082.
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" 3	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (R (ss) LTC PIN TC, P700 .TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans	tion Mobiliz Day Wo r enting oment d Hole ine Se uction ulation	Service Test	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	27,546. 24,896. 12,082. 8,150. 36,000.
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2 2	Description KB BTC TBG HG TC PIN x 4-1/2 L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 2 box x 3-1/2 EU 2 foff tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (7.5" R nipple (s	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) wet flow PKR (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wire Prod Stime Trans Supe Misc	tion Mobilize Day Wo renting Denting D	Service Test	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	116,295. 6,750. 27,546. 24,896. 12,082. 8,150. 36,000.
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99" 3.06" 2.75"	4-1/2 HT 4-1/2, 11 4-1/2, 12 4-1/2 LTC 3-1/2" on 7" AS1 7" / 2	Description KB BTC TBG HG C PIN x 4-1/2 L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 1.6 lb/ft, J55, L 1.7 lbox x 3-1/2 EL 1.7 lbox x 3-1/2 EL 1.8 lbox x 3-1/2 EL 1.9 lbox x 3-1/2 EL 1.7 lbox x 3-1/2 EL 1.8 lbox x 3-1/2 EL 1.9 lbox x 3-1/2 EL 1.7 lbox x 3-1/2 EL 1.8 lbox x 3-1/2 EL 1.9 lbox x 3-1/2 EL 1.9 lbox x 3-1/2 EL 1.0 lbox x 3-	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) wet flow PKR (ss) ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Loca Rig M Rig E Mud Wate Ceme Equip Bits Case Wirel Prod Stime Trans Supe Misc Tang	tion Mobilize Day Wo r enting ment d Hole ine Se uction ulation sporta rvision Labo ibles	Service Test	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	116,295. 6,750. 27,546. 24,896. 12,082. 8,150. 36,000. 204,667.
1 1 1 4 100 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99" 3.06" 2.75"	4-1/2 HT 4-1/2, 1° 4-1/2, 1° 4-1/2, 1° 4-1/2 LTC 3-1/2" on 7" AS1 7" , 3-6 2 4 5" x 4" du -1/2" LTC b	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L ⁻¹ 1.8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L ⁻¹ 5 box x 3-1/2 EU (off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (7.75" R nipple (s) al bore Permap box x 3-1/2" EU	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) vet flow PKR (ss) ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii	tion Mobilize Day Wo r enting coment d Hole ine Se uction ulation sporta rvision Labo ibles	Service Test	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	116,295. 6,750. 27,546. 24,896. 12,082. 8,150. 36,000. 204,667.
1 1 1 4 100 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75" 4.25" 3.06" 3.06"	4-1/2 4-1/2 BT 4-1/2, 11 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1 2	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (75" R nipple (s) al bore Permap box x 3-1/2" EU 3-1/2" pup jt (se)	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) wet flow PKR (ss) ss) pak packer (IE pin xo (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4357.02 4363.99 4364.43	Loca Rig M Rig E Mud Wate Ceme Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack	d Hole ine Seuction Laboribles	Service Test	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	116,295. 6,750. 27,546. 24,896. 12,082. 8,150. 36,000. 204,667. 49,881. 28,921.
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99" 3.06" 2.75"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 2	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L ⁻¹ 8' 8' 6' 4-1/2 L 1.6 lb/ft, J55, L ⁻¹ box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (7.5" R nipple (s al bore Permap box x 3-1/2" EU 3-1/2" pup jt (ss 'x 2.75" R nipp	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) wet flow PKR (ss) ss) cak packer (E pin xo (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78 4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	tion Mobiliz Day Wo r enting ment d Hole ine Se uction ulation sporta rvision Labo ibles ng er nead	Serv Rent Log rvice Test tion n	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00 1,800.00 14,115.00	116,295. 6,750. 27,546. 24,896. 12,082. 8,150. 36,000. 204,667. 49,881. 28,921. 48,610.
1 1 1 4 100 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75" 4.25" 3.06" 3.06"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 2	Description KB BTC TBG HG C PIN x 4-1/2 I 1.6 lb/ft, J55, L7 8 8' 6' 4-1/2 L 1.6 lb/ft, J55, L7 box x 3-1/2 EU /off tool with 2. X, NC, W/SS v AS1X BTM of F 1/2" TBG SUB (75" R nipple (s) al bore Permap box x 3-1/2" EU 3-1/2" pup jt (se)	R (ss) LTC PIN TC, P700 TC TC, P700 JE x/o (ss) 81" F (ss) wet flow PKR (ss) ss) cak packer (E pin xo (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78 4357.02 4363.99 4364.43 4368.03	Loca Rig M Rig E Mud Wate Cemo Equi Bits Case Wire Prod Stime Trans Supe Misc Tang Tubii Pack Welli	d Hole ine Seuction Laboribles	Serv Rent Log rvice Test tion n	ices tals s & Pes ing &	erf.	over Cos	7,800.00 2,000.00 4,000.00 4,992.00	24,896. 12,082. 8,150. 36,000. 204,667. 49,881. 28,921. 48,610. 56,379.



			MII 1LLI	RING, LLC	I	DAILY W	/ORKO	/ER R	REPORT				
Date:	11/1	8/24	Ope	erator:	Good	night Mids	stream. L	LC	Well Name:		Rvno	SWD 1	
Field:		San Ar		County:			Consulta		Ronnie M	cWhirter	Phone:		930-0282
resent				Turned we					Contractor &			Mesa Rig	
roducti			OD:		epth:	10,5		Wt.:	26 lb/ft	Grade:	HCL80	PBTD:	5625'
ubing C			-1/2"		11.6	Grade:		Coup			erfs:		- 5560'
						0.440.	0 00		9.	, , ,			0000
From	Т	·o	Hrs										
8:00		:00	2.0	Drove to locat	tion, me	et with Ga	rv Robin	son NN	M OCD and C	laude with P	arker Serv	ices.	
0.00	 		2.0	Conducted MI			-						nei
				A valve on the								iic was out	υ μσι.
				Tubing pressu								tt	
				<u> </u>							down bei	ore test.	
				Bled down in I									
				Turned well or	ver to (oodnight	Midstrea	am, lef	t location, and	drove home	e		
			2.0										
				g Setting & BHA						Worke	over Cost		
Qty	OD	ID		Description		Length	Тор	Intangil		Worke	over Cost	Daily	Cumulati
Qty	OD	ID				Length 20.00	Тор	Intangii Loca		Worke	over Cost	Daily	Cumulati
Qty 1	OD 4.5"	ID	Tubin	Description	ss)		·	Loca		Worke	over Cost	Daily	Cumulati
•		ID 4.0"	Tubin 4-1/2	Description KB	· .	20.00	20.00	Local Rig M	tion	Worke	over Cost	Daily	
1	4.5"		4-1/2 BT	Description KB BTC TBG HGR (s	C PIN	20.00 0.80 2.40	20.00	Loca Rig M Rig D	tion Iobilization	Worke	over Cost	Daily	Cumulati 116,295
1 1 1	4.5" 4.5" 4.5"	4.0"	4-1/2 4-1/2 BT 4-1/2, 1	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC,	P700	20.00 0.80 2.40 42.20	20.00 20.80 23.20	Local Rig M Rig D Mud	tion Iobilization Day Work	Worke	over Cost	Daily	116,295
1 1 1 4	4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0"	4-1/2 4-1/2 BT 4-1/2, 11	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8' 8' 6' 4-1/2 LTC	P700	20.00 0.80 2.40 42.20 32.40	20.00 20.80 23.20 65.40	Local Rig M Rig D Mud Wate	tion Mobilization Day Work		over Cost	Daily	
1 1 1 4 100	4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0"	4-1/2 BT 4-1/2 BT 4-1/2, 11 10 4-1/2, 11	MB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, ' 8' 8' 6' 4-1/2 LTC 1.6 lb/ft, J55, LTC,	P700	20.00 0.80 2.40 42.20 32.40 4221.42	20.00 20.80 23.20 65.40 97.80	Rig M Rig D Mud Wate Ceme	tion Mobilization Day Work r enting Servi	ces	over Cost		116,295 6,750
1 1 1 4 100	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 BT 4-1/2, 11 4-1/2, 11 4-1/2, 11 4-1/2 LTC	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 5 box x 3-1/2 EUE;	P700 P700 P700 x/o (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62	20.00 20.80 23.20 65.40 97.80 4319.22	Local Rig M Rig D Mud Wate Ceme	tion Mobilization Day Work	ces	over Cost	Daily 150.00	116,295 6,750
1 1 1 4 100 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81"	4-1/2 BT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 8' 6' 4-1/2 LTC 1.6 lb/ft, J55, LTC, box x 3-1/2 EUE x /off tool with 2.81"	P700 P700 x/o (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84	Loca Rig M Rig D Mud Wate Ceme Equip Bits	tion Mobilization Day Work r enting Servi oment Renta	ces	over Cost		116,295 6,750
1 1 1 4 100	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06"	4-1/2 BT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 5 box x 3-1/2 EUE;	P700 P700 x/o (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case	tion Mobilization Day Work r enting Servionment Renta	ces als	over Cost		116,295 6,750 27,696
1 1 1 4 100 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 8' 6' 4-1/2 LTC 1.6 lb/ft, J55, LTC, box x 3-1/2 EUE x /off tool with 2.81"	P700 P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case	tion Mobilization Day Work r enting Servi oment Renta	ces als	over Cost		116,295 6,750 27,696
1 1 1 4 100 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 4.5" 7"	4.0" 4.0" 4.0" 4.0" 2.81" 2.99"	4-1/2 4-1/2 BT 4-1/2, 1 ¹ 10 4-1/2, 1 ¹ 4-1/2 LTC 3-1/2" on 7" AS1	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 8' 6' 4-1/2 LTC 1.6 lb/ft, J55, LTC, 2 box x 3-1/2 EUE; 2 /off tool with 2.81" X, NC, W/SS wet	P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24	Loca Rig N Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization Day Work r enting Servionment Renta	ces als & Perf.	over Cost		116,295
1 1 1 4 100 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" and 3-	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 8 6 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.6 box x 3-1/2 EUE x 1/off tool with 2.81" X, NC, W/SS wet	P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel	tion Mobilization Day Work renting Servionment Renta d Hole Logs ine Services	ces als & Perf.	over Cost	150.00	116,295 6,750 27,696 24,896
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" and 3-	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.7 box x 3-1/2 EUE x 1.8 lb/ft bol with 2.81" X, NC, W/SS wet AS1X BTM of PKR 1/2" TBG SUB (ss)	P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ	tion Mobilization Day Work renting Servionment Renta d Hole Logs ine Services uction Testi	ces als & Perf.	over Cost	150.00	116,295 6,750 27,696 24,896 13,582
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" and 3-	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.7 box x 3-1/2 EUE x 1.8 lb/ft bol with 2.81" X, NC, W/SS wet AS1X BTM of PKR 1/2" TBG SUB (ss)	P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Loca Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Produ Stimu	tion Mobilization Day Work renting Servicement Renta d Hole Logs ine Services uction Testiculation sportation	ces als & Perf.	over Cost	150.00	116,295 6,750 27,696 24,896 13,582 8,150
1 1 1 4 100 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 7" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" and 3-	Description KB BTC TBG HGR (s C PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.7 box x 3-1/2 EUE x 1.8 lb/ft bol with 2.81" X, NC, W/SS wet AS1X BTM of PKR 1/2" TBG SUB (ss)	P700 x/o (ss) F (ss) flow	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe	tion Mobilization Day Work renting Service oment Renta d Hole Logs ine Services uction Testi ulation sportation rvision	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 24,896 13,582 8,150 37,800
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75"	4-1/2 4-1/2 BT 4-1/2, 1° 10 4-1/2, 1° 4-1/2 LTC 3-1/2" on 7" AS1 7" /	BTC TBG HGR (s TC PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 '8' 6' 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.7 box x 3-1/2 EUE; 1.8 lb/ft tool with 2.81" 1.9 X, NC, W/SS wet 1.9 AS1X BTM of PKR 1.9 TBG SUB (ss) 1.75" R nipple (ss)	P700 x/o (ss) F (ss) flow R	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc.	tion Mobilization Day Work renting Services In Hole Logs In Services In Testivation Sportation rvision Labor & Se	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 24,896 13,582 8,150 37,800
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75"	4-1/2 HT 4-1/2, 11 10 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 2	BTC TBG HGR (s TC PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.7 lb lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.9 lb/ft, J55	P700 x/o (ss) F (ss) flow packer (20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang	tion Mobilization Day Work renting Services Interest Services Interest Services Interest Int	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 27,696 24,896 13,582 8,150 37,800 204,667
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99" 3.06" 2.75"	Tubin 4-1/2 BT 4-1/2, 1° 4-1/2, 1° 4-1/2 LTC 3-1/2" on 7" AS1 7" A 2 x 5" x 4" du -1/2" LTC b	BTC TBG HGR (s C PIN x 4-1/2 LTC I.6 lb/ft, J55, LTC, '8' 8' 6' 4-1/2 LTC I.6 lb/ft, J55, LTC, box x 3-1/2 EUE: //off tool with 2.81" X, NC, W/SS wet AS1X BTM of PKR I/2" TBG SUB (ss) I/5" R nipple (ss) al bore Permapak box x 3-1/2" EUE p	P700 x/o (ss) F (ss) flow packer (20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.17 0.87 6.97 0.44	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir	tion Mobilization Day Work renting Services Interesting Services Intere	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 27,696 24,896 13,582 8,150 37,800 204,667
1 1 1 4 100 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75"	Tubin 4-1/2 BT 4-1/2, 1° 4-1/2, 1° 4-1/2 LTC 3-1/2" on 7" AS1 7" A 2 x 5" x 4" du -1/2" LTC b	BTC TBG HGR (s TC PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.7 lb lb/ft, J55, LTC, 1.8 lb/ft, J55, LTC, 1.9 lb/ft, J55	P700 x/o (ss) F (ss) flow packer (20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack	tion Mobilization Day Work renting Services Interesting Services Intere	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 27,696 24,896 13,582 8,150 37,800 204,667 49,881 28,921
1 1 1 4 100 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 2.99" 3.06" 2.75"	4-1/2 4-1/2 BT 4-1/2, 11 4-1/2, 11 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1 2	BTC TBG HGR (s C PIN x 4-1/2 LTC I.6 lb/ft, J55, LTC, '8' 8' 6' 4-1/2 LTC I.6 lb/ft, J55, LTC, box x 3-1/2 EUE: //off tool with 2.81" X, NC, W/SS wet AS1X BTM of PKR I/2" TBG SUB (ss) I/5" R nipple (ss) al bore Permapak box x 3-1/2" EUE p	P700 x/o (ss) F (ss) flow R packer (bin xo (ss	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.17 0.87 6.97 0.44	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack	tion Mobilization Day Work renting Services Interesting Services Intere	ces als & Perf. s ng & BHP	over Cost	150.00	27,696 27,696 24,896 13,582 8,150 37,800 204,667
1 1 1 4 100 1 1 1 1 1 1 1	4.5" 4.5" 4.5" 4.5" 4.5" 7" 7" 3.5" 3.5"	4.0" 4.0" 4.0" 3.06" 2.81" 2.99" 3.06" 2.75" 4.25" 3.06" 3.06"	7 ubin 4-1/2 4-1/2 BT 4-1/2, 1' 10 4-1/2, 1' 4-1/2 LTC 3-1/2" on 7" AS1 7" / 3-1/2" LTC x 5" x 4" du -1/2" LTC b	BTC TBG HGR (s TC PIN x 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.8 8 6 4-1/2 LTC 1.6 lb/ft, J55, LTC, 1.6 lb/ft, J55, LTC, 1.7 box x 3-1/2 EUE x 1.7 lb box x 3-1/2 EUE p 1.7 lb box x 3-1/2" EUE p	P700 x/o (ss) F (ss) flow R packer (bin xo (ss)	20.00 0.80 2.40 42.20 32.40 4221.42 0.62 1.90 3.50 4.50 4.17 0.87 6.97 0.44 3.60	20.00 20.80 23.20 65.40 97.80 4319.22 4319.84 4321.74 4325.24 4329.74 4333.91 4334.78 4357.02 4363.99 4364.43 4368.03	Local Rig M Rig D Mud Wate Ceme Equip Bits Case Wirel Prode Stimu Trans Supe Misc. Tang Tubir Pack Wellr	tion Mobilization Day Work renting Services Interesting Services Intere	ces als & Perf. S ng & BHP	over Cost	150.00	116,295 6,750 27,696 24,896 13,582 8,150 37,800 204,667 49,881 28,921 48,610