

30-025-40420

					C 1 2012								Don Mori		
=Proje		5079		Date:	6-1-2012		ort No.:	77		rted B			Don Mori	18	
Operat			LJAMAF		l		MATION				MITE, 90		,		
Contra			ITED RI				No. 41		Coun		L	EA		State:	NM
Depth:	Ł	8602		t. Cut:	79'		of Formatio	on AE	O-7600	<u>'</u>					
Activit	y at Rep	ort T	ime:	DRIL	LING FOR	RMATIO	N @ 8602'						RKB:	15	
Ti	me Log		Elapsed					Deta	ils of	Oper	ation				
From		Го	Time									•			
060		130	5.5				WASH OUT								
113	0 14	130	3.0		- D/C & F R, Calif		C, C/O SHO	CK SU	B, L/D 1	reled	RIFT & S	STAB	ILIZERS,	OFF LOA	ND
143	0 20	030	6.0	D/I I &	M/II M/N	ATR (65	MIXP/LS	SLICK	STRAIC	THT I	II TRA X	TRE	ME LS)	SURFACE	ı
143	0 20)50	0.0				ST), M/U B							oold MCL	,
203	0 21	130	1.0		SET PAR								,		
213		200	.5	RIG S	ERVICE										
220	0 06	500	8.0	DRJL	LED F/852	23' T/ 860	02' 79' @ 1	0 FPH			,				
					_										
				-											
						1					_,				
						1									
				DITE!	17 0500	DITTA TO	ACDE A COOR	GED#	702.427						
							YPE- M88F,								
				HOUF	RS = 7.5, F	OOTAG	E = 50' WO								
	Tot	tal.	24	HOUF		OOTAG	E = 50' WO								
	Tot		24	HOUR IN @	RS = 7.5, F 8473' OU	OOTAG T @ 852	E = 50' WO	DB = 30	-35, RPN	M = 65	Drilling A	ccom			intian
	ump Red	cord		HOUF IN @ Our R	RS = 7.5, F 8473' OU	OOTAG T @ 852	E = 50' WO 3 Bits	DB = 30	-35, RPN	A = 65	Drilling A			 	iation Day
Pump	ump Red No. 1	cord	o. 2 Hi	HOUF IN @ Our R	RS = 7.5, F 8473' OU ecord	T @ 852 Bit#	E = 50' WO 3 Bits 18 V	Mu Wt	-35, RPN ad 9.1	M = 65 No.	Descrip	tion	Length	Depth	Dev
Pump	ump Red	cord	o. 2 Hi	HOUF IN @	RS = 7.5, F 8473' OU	OOTAG T @ 852	E = 50' WO 3 Bits 18 V 7 V	DB = 30	-35, RPN	A = 65	Descript	tion		 	_
Pump	ump Red No. 1	cord	o. 2 Hi	HOUF IN @ Our R	RS = 7.5, F 8473' OU ecord	T @ 852 Bit#	E = 50' WO 3 Bits 18 V	Mu Wt	-35, RPN ad 9.1	M = 65 No.	Descrip	tion	Length	Depth	Dev
Pump	ump Red No. 1	cord	o. 2 Hi	HOUF IN @ Our R	RS = 7.5, F 8473' OU ecord	T @ 852 Bit#	E = 50' WO 3 Bits 18 V 7 V 5/8,JET	Mu Wt	-35, RPN ad 9.1	M = 65 No.	Descript	tion	Length	Depth	Dev
Pump Lin/St	ump Red No. 1	No	o. 2 Hi	HOUF IN @ Our R rs RU rilling	RS = 7.5, F 8473' OU ecord 8.0	T @ 852 Bit#	Bits 18 V 7 5/8,JET S 7-	Mu Wt Vis	-35, RPN ad 9.1	M = 65 No.	Descript	tion	Length	Depth 8324	Dev
Pump Lin/St SPM	ump Red No. 1	No	0. 2 Hi 6.5/9 Di	HOUF IN @ Our R rs RU rilling	RS = 7.5, F 8473' OU ecord 8.0	OOTAG T @ 852 Bit# Size	Bits 18 V 5/8,JET S 7-10'S SMITH V	Mu Wt Vis	-35, RPN ad 9.1 33	No. 3	Descript BIT,M/I ,S/SUB	tion	Length 37.04	Depth 8324	Dev
Pump Lin/St SPM GPM	ump Rec No. 1 6.5/9	No.	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr	Our R TS RU rilling	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	OOTAG T @ 852 Bit# Size Mfg Type	Bits 18 V 5/8,JET S 7-10'S SMITH V MSi71 G	Mu Wt Vis	35, RPN ad 9.1 33	No. 3	Descript BIT,M/I ,S/SUB	MTR.	Length 37.04	Depth 8324	Dev
Pump Lin/St SPM GPM	No. 1 6.5/9	No 4	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr	HOUF IN @ Our R rs RU rilling	RS = 7.5, F 8473' OU ecord 8.0	OOTAG T @ 852 Bit# Size	Bits 18 V 5/8,JET S 7-10'S SMITH V MSi71 G	Mu Wt Vis	35, RPN ad 9.1 33	No. 3	Descript BIT,M/I ,S/SUB	MTR.	Length 37.04	Depth 8324	Dev
Pump Lin/St SPM GPM	off BTTN	No A	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr 00 Su	Our R our R rs RU rilling ond/Circ ripping	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	Bit# Size Mfg Type Out	Bits 18 V 5/8,JET S 7-10'S SMITH V MSi71 C 3	Mu Wt Vis WL Gels	35, RPN ad 9.1 33 30.0 3/4/5	No. 3	Descript BIT,M/I ,S/SUB D/C HWT/D	MTR.	Length 37.04 637.42 91.99	Depth 8324	Dev
Pump	OFF BTTN	No.	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr 00 Su	Our R TS RU rilling	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	OOTAG T @ 852 Bit# Size Mfg Type	E = 50' WO 3 Bits 18 V 5/8,JET S 7- 10'S SMITH V MSi71 G 3	Mu Wt Vis	35, RPN ad 9.1 33	No. 3	Descript BIT,M/I ,S/SUB	MTR.	Length 37.04	Depth 8324	Dev
Pump Lin/St SPM GPM	off BTTN	No.	D. 2 Hi 6.5/9 Di 113 Co 17 Tr 00 Su 00 Lo	Our R our R rs RU rilling ond/Circ ripping	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	OOTAG T @ 852 Bit# Size Mfg Type Out	E = 50' WO 3 Bits 18 V 5/8,JET S 7- 10'S SMITH V MSi71 G 8523 S	Mu Wt Vis WL Gels	35, RPN ad 9.1 33 30.0 3/4/5	No. 3	Descript BIT,M/I ,S/SUB D/C HWT/D	MTR.	Length 37.04 637.42 91.99	Depth 8324	Dev
Pump Lin/St SPM GPM	OFF BTTN	No.	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr 00 Su 00 Lc	Our R ond/Circ ipping rvey ogging	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	Bit# Size Mfg Type Out	E = 50' WO 3 Bits 18 V 5/8,JET S 7- 10'S SMITH V MSi71 G 8523 S	Mu Wt Vis WL Gels	35, RPN ad 9.1 33 30.0 3/4/5	No. 3 21 19 3 1	Descript BIT,M/I ,S/SUB D/C HWT/D JAR	MTR.	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev
Pump Lin/St SPM GPM	OFF BTTN	No.	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr 00 Su 00 Lc	Our R Our R rs RU rilling ond/Circ ripping rrvey ogging ash &	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	OOTAG T @ 852 Bit# Size Mfg Type Out	E = 50' WO 3 Bits 18 V 7 5/8,JET S 7- 10'S SMITH V MSi71 G 8523 S	Mu Wt Vis WL Gels	35, RPN ad 9.1 33 30.0 3/4/5	No. 3 21 19 3 1	Descript BIT,M/I ,S/SUB D/C HWT/D JAR	MTR.	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev
Pump Lin/St SPM GPM	OFF BTTN	No.	D. 2 Hi 6.5/9 Di 113 Cc 17 Tr 00 St 00 Lc WRG	HOUR IN @ Our R rs RU rilling ond/Circ ripping urvey ogging ash & eam	RS = 7.5, F 8473' OU ecord 8.0 1.0 14.5	OOTAG T @ 852 Bit# Size Mfg Type Out In	E = 50' WO 3 Bits 18 V 7 5/8,JET S 7- 10'S SMITH V MSi71 G 3 8523 S	Mu Wt Vis WL Gels Oil	35, RPN ad 9.1 33 30.0 3/4/5 2.1 11.0	No. 3 21 19 3 1	Descript BIT,M/I ,S/SUB D/C HWT/D JAR	MTR.	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev

FOR RECORD ONLY
ELG 7-1-2013



	ect No.:	50795A	Date:	6-2-2012	2 Repo	ort No.:	78	Repo	rted B	y: Jimmy	Don Mor	ris	
Opera		MALJAN	IAR AGI #		FOR	MATION	1	100%	6 LIM	ESTONE			
Contra	actor:	UNITED	RIG #41		Rig	No. 41		Cour	ıty	LEA		State:	NM
Depth	:	8913'	Ft. Cut:	311'		of Forma		BO-7600	,				
Activi	ty at Repo	ort Time:	DRIL	LING FOR	RMATIO	N @ 8913	3'				RKB:	15	
Ti	ime Log	Elap	sed				Ďat	ails of	Oper	ration			
From								alls of	Oper	ation			
060				SERVICE									
063	30 06	00 23	.5 DRIL	LED F/ 86	02' T/89	13' 311' (<u>@</u> 13.3]	FPH					
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	Tota	al 24	1										
I				Record	1	Bits	M	ud		Drilling Assem	bly	Dev	iation
Pump	Tota Pump Rec No. 1			Record	Bit#	Bits 18	M Wt	ud 9.1	No.	Drilling Assem		1	iation Dev.
	Pump Rec	ord	Our I Hrs RU						No. 3	Drilling Assem Description BIT,M/MTR.	bly Length 37.04	Dev Depth 8324	
Pump	Pump Rec	ord No. 2	Our I Hrs RU		Bit#	18 7 5/8,JET	Wt Vis	9.1		Description	Length	Depth	Dev.
Pump	Pump Rec	ord No. 2	Our I Hrs RU		Bit#	18 7 5/8,JET S 7-	Wt Vis	9.1		Description BIT,M/MTR.	Length	Depth	Dev.
Pump Lin/St	Pump Rec	ord No. 2 6.5/9	Our I Hrs RU Drilling	23.5	Bit# Size	18 7 5/8,JET S 7- 10'S	Wt Vis	9.1	3	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St	Pump Rec	ord No. 2 6.5/9	Our I Hrs RU Drilling	23.5	Bit# Size Mfg	18 7 5/8,JET S 7- 10'S SMITH	Wt Vis	9.1 31 17.0	3 21	Description BIT,M/MTR.	Length	Depth	Dev.
Pump Lin/St	Pump Rec	ord No. 2 6.5/9	Our I Hrs RU Drilling	23.5	Bit# Size	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis	9.1	3	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM GPM	Pump Rec No. 1 6.5/9	No. 2 6.5/9 115 425	Our I Hrs RU Drilling Cond/Circ Tripping	23.5	Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH	Wt Vis	9.1 31 17.0	3 21 19	Description BIT,M/MTR.,S/SUB D/C	Length 37.04	Depth 8324	Dev.
Pump Lin/St	Pump Rec No. 1 6.5/9	No. 2 6.5/9 115 425 1800	Our I Hrs RU Drilling	23.5	Bit# Size Mfg	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis	9.1 31 17.0	3 21	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our I Hrs RU Drilling Cond/Circ Tripping	23.5	Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis	9.1 31 17.0	3 21 19	Description BIT,M/MTR.,S/SUB D/C	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM GPM	Pump Rec No. 1 6.5/9 OFF BTTM	No. 2 6.5/9 115 425 1800	Our I Hrs RU Drilling Cond/Cirr Tripping Survey Logging Wash &	23.5	Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels	9.1 31 17.0 2/3/4	3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP	Length 37.04 637.42	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our I Hrs RU Drilling Cond/Circ Tripping Survey Logging	23.5	Bit# Size Mfg Type Out	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid	9.1 31 17.0 2/3/4	3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our I Hrs RU Drilling Cond/Cirr Tripping Survey Logging Wash & Ream	23.5	Bit# Size Mfg Type Out In	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 8523	Wt Vis WL Gels Oil Solid pH	9.1 31 17.0 2/3/4 1.1 11.0	3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.



	ect No.:	50795A	Date:	6-3-2012	Repo	ort No.:	79		orted B		Don Mor	ris	
Operat	1		IAR AGI #1			MATION				ESTONE			
Contra	actor:	UNITED				No. 41		Cou	nty	LEA		State:	NM
Depth:	: !	9260'		347' /		of Forma		BO-7600	,				
Activit	ty at Repo	ort Time:	DRILL	ING FOR	RMATIO	N @ 9260)'				RKB:	15	
Ti	ime Log	Elap	sed	,			Det	ails of	Oper	ention			
From								alis 01	Oper	-ation			
060					GREASE								.=
070	060	00 23	.0 DRILL	ED F/ 89	13' T/ 92	60' 347'	@ 15.1	FPH					
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	Tota	1 2	1										
	Tota			oord		Dita	M			Duilling Assembly	·	Dev	
	Pump Rec	ord	Our Re	cord		Bits		ud		Drilling Assem		+	iation
Pump	No. 1	ord No. 2	Our Re Hrs RU		Bit#	18	Wt	9.05	No.	Description	Length	Depth	Dev.
	Pump Rec	ord	Our Re			18				Description BIT,M/MTR.		+	
Pump	No. 1	ord No. 2	Our Re Hrs RU		Bit#	18 7 5/8,JET	Wt	9.05	No.	Description	Length	Depth	Dev.
Pump	No. 1	ord No. 2	Our Re Hrs RU		Bit#	18	Wt	9.05	No.	Description BIT,M/MTR.	Length	Depth	Dev.
Pump	No. 1	ord No. 2	Our Re Hrs RU		Bit#	18 7 5/8,JET S 7-	Wt	9.05	No.	Description BIT,M/MTR.	Length	Depth	Dev.
Pump Lin/St	No. 1	No. 2 6.5/9	Our Re Hrs RU Drilling		Bit# Size	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis	9.05	No.	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM	Pump Rec No. 1 6.5/9	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ		Bit# Size Mfg	18 7 5/8,JET S 7- 10'S SMITH	Wt Vis	9.05 29 23.0	No. 3	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey		Bit# Size Mfg Type Out	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis	9.05 29 23.0 1/1/1	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP	Length 37.04 637.42 91.99	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping		Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis WL Gels	9.05 29 23.0	No. 3 21 19	Description BIT,M/MTR.,S/SUB D/C	Length 37.04 637.42	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey		Bit# Size Mfg Type Out	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid	9.05 29 23.0 1/1/1	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey Logging	23.0	Bit# Size Mfg Type Out In	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid pH	9.05 29 23.0 1/1/1 1.8 10.5	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey Logging Wash &	23.0	Bit# Size Mfg Type Out	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid	9.05 29 23.0 1/1/1	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey Logging Wash & Ream	23.0	Bit# Size Mfg Type Out In	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid pH	9.05 29 23.0 1/1/1 1.8 10.5	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.



-rroje	ect No.: 5	0795A	Date:	6-4-2012	Repo	rt No.:	80	Repo	orted B	y: Jimmy	Don Morr	ris	
Opera	tor:	ИALJAN	IAR AGI #1		FOR	MATION	1	1009	6 LIM	ESTONE			
Contra	actor:	UNITED	RIG #41	_	Rig 1	No. 41		Cou		LEA		State:	NM
Depth	: 9	532'	Ft. Cut:	272		of Forma		onard-9	132				
Activi	ty at Repo	rt Time:	DRILL	ING FOR	RMATIO	N @ 9532	2'				RKB:	15	
Ti	ime Log	Elap	sed	•			Det	ails of	Oner	ration			
From								ans 01	Oper				
060				ERVICE								· · · - · · - · - · - · - · - ·	
063	30 060	0 23	5 DRILL	ED F/ 92	60' T/ 95	32' 272'	@ 11.61	FPH					· ·
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F	Tota Pump Reco		Our Re	ecord		Bits	М	ud		Drilling Assem	bly	Dev	iation
Pump				ecord	Bit#	Bits	M Wt	ud 9.05	No.	Drilling Assem	bly Length		iation Dev.
	Pump Reco	rd	Our Re	ecord 23.5		18 7	Wt Vis			Description BIT,M/MTR.		Dev Depth 8324	
Pump	No. 1	No. 2	Our Re		Bit#	18 7 5/8,JET	Wt Vis	9.05	No.	Description	Length	Depth	Dev.
Pump	No. 1	No. 2	Our Re		Bit#	18 7 5/8,JET S 7-	Wt Vis	9.05	No.	Description BIT,M/MTR.	Length	Depth	Dev.
Pump Lin/St	No. 1	No. 2 6.5/9	Our Re Hrs RU Drilling		Bit# Size	7 5/8,JET S 7- 10'S	Wt Vis	9.05	No.	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM	No. 1	No. 2 6.5/9	Our Re Hrs RU Drilling		Bit# Size Mfg	18 7 5/8,JET S 7- 10'S SMITH	Wt Vis	9.05	No. 3	Description BIT,M/MTR.	Length 37.04	Depth	Dev.
Pump Lin/St	No. 1	No. 2 6.5/9	Our Re Hrs RU Drilling		Bit# Size	7 5/8,JET S 7- 10'S	Wt Vis	9.05	No.	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM	No. 1	No. 2 6.5/9	Our Re Hrs RU Drilling		Bit# Size Mfg	18 7 5/8,JET S 7- 10'S SMITH MSi71	Wt Vis	9.05	No. 3	Description BIT,M/MTR.,S/SUB	Length 37.04	Depth 8324	Dev.
Pump Lin/St SPM GPM	Pump Reco No. 1 6.5/9	No. 2 6.5/9 115 425	Our Re Hrs RU Drilling Cond/Circ Tripping		Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels	9.05	No. 3 21 19	Description BIT,M/MTR. ,S/SUB D/C	Length 37.04 637.42	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey		Bit# Size Mfg Type	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels	9.05 31 18.0 2/4/5	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP	Length 37.04 637.42 91.99	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey Logging Wash &		Bit# Size Mfg Type Out	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis WL Gels Oil Solid	9.05 31 18.0 2/4/5	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.
Pump Lin/St SPM GPM	OFF BTTM	No. 2 6.5/9 115 425 1800	Our Re Hrs RU Drilling Cond/Circ Tripping Survey Logging Wash & Ream	23.5	Bit# Size Mfg Type Out In	18 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 8523	Wt Vis WL Gels Oil Solid pH	9.05 31 18.0 2/4/5	No. 3 21 19 3	Description BIT,M/MTR.,S/SUB D/C HWT/DP JAR	Length 37.04 637.42 91.99 33.30	Depth 8324	Dev.



=Proje	ct No.:	5079	95A	Date:	6-5-2012	Repo	ort No.:	8	1 Re	ported B	y: Jimmy	Don Morri	S	
Opera				AR AGI #1		FOR	MATION	1	100	0% LIM	ESTONE			
Contra		UN	ITED 1	RIG #41		Rig	No. 41		Co	ounty	LEA		State:	NM
Depth	:	967:	5'	Ft. Cut:	143'	Tops	of Forma	tion \	VOLF C	CAMP 9	544'			
	ty at Rep	ort T	ime:	DRILL	ING FOR	RMATIO	N @ 9675	5'				RKB:	15	
Ti	me Log		Elaps	ed				D-	4-:1-	£ 0	-4:		***************************************	
Fron	1 7	`o	Tim					De	taiis o	of Oper	ation			
060	00 06	30	.5	RIG SE	ERVICE									
063	30 12	30	6.0				87' 55' (
123	30 18	00	5.5								DEGREE			
180		30	7.							SAME,	GOOD TEST, T	TIH		
013	30 06	00	4.5	DRILL	ED F/ 95	87' T/ 96	75'88'	② 19.5 I	FPH					
												. ,		
	<u> </u>													
			 											
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			 										· · · · · · · · · · · · · · · · · · ·	
											,			
						•								
				BIT #1	9, SMITI	H, MSi71	13, JD300	7, 7-10°	S IN @	9675, 88	3' HOURS = 4.5			
													-	
	Tot	al	24						•					
1	Pump Re	cord		Our Re	ecord		Bits	N	Mud		Drilling Assem	bly	Dev	iation
Pump	No. 1	N	o. 2	Hrs RU		Bit#	18	Wt	9.05	No.	Description	Length	Depth	Dev.
Lin/St	6.5/9	Τ	6.5/9	Drilling	10.5	Size	7	Vis	29	3	BIT,M/MTR.	37.04	9577	.75
				-			5/8,JET				,S/SUB			
							S 7-							
CD1 (1.		G 1/C'		2.46	10'S	****	100	-		607.10		
SPM		11		Cond/Circ		Mfg	SMITH		19.0	21	D/C	637.42		
GPM				Tripping	13.0	Туре	MSi71 3,PDC	Gels	1/2/3					
Press	OFF BTTN	- 1	950	Survey		Out	9587	Oil		3	HWT/DP	91.99		
	ON BTTN		100	Logging		In	8523	Solid	1.8	1	JAR	33.30		
				Wash & Ream		Ftg	1064	pН	11.0	18	HWT/DP	553.48		
	 	+		Misc	.5	Hrs	84.0	Chl	5200	0	-			
	1			Fishing	1	Bit Wt	18-20		1		 			1
		+		Run Csg		RPM	145		+		TOTAL	1353.23		+
	1			1,011 035		Let 141	170				1 1011111	1555.25		



=Proje	ct No.:	5079	95A	Date: 6	5-6-2012		ort No.:	82		ported B	•	Don Mori		
Opera			LJAMAR				MATION	Ī	100	% LIM	ESTONE, TR C	HERT &	SHALE	
Contra	ictor:	UN	ITED RI				No. 41			unty	LEA		State:	NM_
Depth		9696			21'		of Forma		OLF C	AMP 9	544'			
Activi	ty at Repo	ort T			NG FOR	MATIO]	N @ 9696	5'				RKB:	15	
	ime Log		Elapsed					Det	ails of	f Oper	ation			
From		0	Time	DIC OF	NATOT:					- Орба				
060			.5	RIG SEI		151 T/ 06	922 92 @	16 EDII						
063		00	2.0				83' 8' @			OUT DI	ROBLEM WITH	J NA/NATD	NO GO	
090		00	6.0	DROP T	OTCO.	POOH T	O C/O M	/MTR	6 DRGI	REE @	9670', SURFAC	E TEST	RAKER	
	, ,	00	0.0				S MUST I				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	JE IESI	D. HELIK	
150	00 16	00	1.0	L/D BA	KER M/I	MTR. &	X/O							
160	00 17	00	1.0	P/U CO	JGAR M	I/MTR. (6.5. 7/8 L	OBE, 2	9 STAC	E SLO	W), BIT #19RR	SURFA	CE TEST	
							TIH W/BI							
170		30	2.5		CUT DR	ILLING	LINE (18	300')						
193		00	5.5	TIH										
010		30	2.5				PARAME		T T					
033	30 06	00	2.5	DRILLE	D F/ 968	3, 1/96	96' 13' @	<i>y</i> , 5.2 FP	H					<u></u>
	_				<u>.</u>									
	 												· -	
					-								-	
	Tota		24	O D	1	,	Dia.		r 1		Th 1111 . A		T 5	·
	Pump Rec No. 1		o. 2 Hr	Our Rec		Bit#	Bits RR19	Wt	lud		Drilling Assemble Description	<u> </u>		iation
Pump Lin/St	6.5/9		6.5/9 Dr			Size	7	Vis	9.05	No. 3	BIT,M/MTR.	Length 43.58	Depth 9577	Dev.
LIII/St	0.3/9		0.3/9 Di	ming	3.0		5/8,JET	V 15	30	,	,S/SUB	43.38	93//	./3
							S 7-							
SPM		11	7 Co	nd/Circ		Mfg	10'S SMITH	WI	18.0	21	D/C	637.42	9670	.6
GPM	1	_		ipping		Туре	MSi71	Gels	2/3/4		DIC	031.42	7070	
	<u>l</u>						3,PDC						<u> </u>	
Press	OFF BTTM		150 Su	rvey		Out		Oil		3	HWT/DP	91.99		
	ON BTTM	23	00 Lo	gging		In	9587	Solid	1.8	1	JAR	33.30		
	DIIIV	+-		ash &		Ftg	109	pН	11.0	18	HWT/DP	553.48		
		+		am isc	7.5	Hrs	7.5	Chl	52000	1	ļ			
	1	+		shing		Bit Wt	15-40	Cill	32000	'			-	
-	-	1		in Csg	+	RPM	130				TOTAL	1359.77	,	
	1	Ь.			ا نا		1 130		<u> </u>		IOIAL	1333.11		<u> </u>



=Proje	ct No.:	50795A		Date:	5-7-2012	Repo	rt No.:	83	3 Repo	orted B	y: Jimmy	Don Mori	ris	
Operat	tor:	MALJAN	MAR	AGI #1		FOR	MATION		100%	6 LIMI	ESTONE			
Contra	ctor:	UNITEL	RIC	G #41	-	RigN	Vo. 41		Cour	ıty	LEA		State:	NM
Depth:	:	9820'	F1	t. Cut:	124'	Tops	of Forma	tion W	OLF CA	MP 9	544'			
		ort Time:	<u> </u>	DRILLI	NG FOR	MATIO	N @ 9696	;				RKB:	15	
	me Log		psed											
From			me					Det	ails of	Opera	ation			
060		00 2.0		DRILLE	ED F/ 96	96' T/ 96	99' 3' @	1.5 FPF	I, PDC N	O GO 1	IN CHERT			
080		00 7.0					1/MTR, B							
150		00 6.0					SUB, TI							
210		00 9.0					20' 121'		FPH					
							-							
														
	 -													
	-					:								
			<u> </u>	-			-							
	-			<u> </u>								<u>.</u>		
				<u> </u>										
				BIT #20	SECLI	RITY TY	PF-M881	SER#.	723019	IN @ G	0600' FTG= 121	L' HOUR!	S= 0 0 BIT	WT
							PE-M88I	F, SER#-	723019,	IN @ 9	9699' FTG= 12	ı' HOUR	S= 9.0,BIT	WT.
					, SECUI 35K, RP		PE-M88I	F, SER#-	-723019,	IN @ 9	9699' FTG= 121	ı' HOUR	S= 9.0,BIT	WT.
							PE-M88I	F, SER#-	723019,	IN @ 9	9699' FTG= 12	ı' HOUR:	S= 9.0,BIT	WT.
							PE-M88I	F, SER#-	-723019,	IN @ 9	9699' FTG= 12	ı' HOUR	S= 9.0,BIT	WT.
							PE-M88F	F, SER#-	723019,	IN @ 9	9699' FTG= 12	i' HOUR	S= 9.0,BIT	WT.
	Tot	al 2					PE-M88I	F, SER#-	723019,	IN @ 9	9699' FTG= 12	i' HOUR	S= 9.0,BIT	WT.
	Tot		24	= 25K -:	35K, RP	M= 65								
	ump Rec	cord		= 25K -	35K, RP	M= 65	Bits	M	J ud		Drilling Assem	bly	Dev	iation
Pump	No. 1	No. 2	Hr	= 25K -: Our Rec	eord	M= 65 Bit#	Bits RR19	Wt	Tud 9.00	No.	Drilling Assem Description	bly Length	Dev Depth	iation Dev.
Pump	ump Rec	cord	Hr	= 25K -	eord	M= 65	Bits RR19 7	M	J ud		Drilling Assem Description BIT,BIT	bly	Dev	iation
Pump	No. 1	No. 2	Hr	= 25K -: Our Rec	eord	M= 65 Bit#	Bits RR19 7 5/8,JET	Wt	Tud 9.00	No.	Drilling Assem Description	bly Length	Dev Depth	iation Dev.
Pump	No. 1	No. 2	Hr	= 25K -: Our Rec	eord	M= 65 Bit#	Bits RR19 7 5/8,JET S 7-	Wt	Tud 9.00	No.	Drilling Assem Description BIT,BIT	bly Length	Dev Depth	iation Dev.
Pump Lin/St	No. 1	No. 2	Hr D Dr	Our Rec	eord	M= 65 Bit# Size	Bits RR19 7 5/8,JET	M Wt Vis	Tud 9.00 29	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB	bly Length 17.87	Dev Depth 9577	iation Dev.
Pump Lin/St SPM	No. 1	No. 2 6.5/9	Hr Dr Cc	Our Rec	cord	M= 65 Bit# Size	Bits RR19 7 5/8,JET S 7- 10'S SMITH	M Wt Vis	fud 9.00 29 24.0	No. 3	Drilling Assem Description BIT,BIT	bly Length	Dev Depth	iation Dev.
Pump Lin/St SPM	No. 1	No. 2 6.5/9	Hr Dr Cc	Our Rec	eord	M= 65 Bit# Size	Bits RR19 7 5/8,JET S 7- 10'S	M Wt Vis	Tud 9.00 29	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB	bly Length 17.87	Dev Depth 9577	iation Dev.
Pump Lin/St SPM GPM	No. 1	No. 2 6.5/9	Hr Dr Co	Our Rec	cord	M= 65 Bit# Size	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71	M Wt Vis	fud 9.00 29 24.0	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB	bly Length 17.87	Dev Depth 9577	iation Dev.
Pump Lin/St SPM GPM	No. 1	No. 2 6.5/9 105 388	Hr D Dr Co Tr	Our Record Rundling	cord	M= 65 Bit# Size Mfg Type	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC	Wt Vis	fud 9.00 29 24.0	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB	bly Length 17.87	Dev Depth 9577	iation Dev.
Pump Lin/St SPM GPM	No. 1	No. 2 6.5/9 105 388	Hr O Dr Co Tr Su Lo	Our Red s RU rilling ond/Circ ipping	200rd 11.0	M= 65 Bit# Size Mfg Type Out In	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 9699	Wt Vis WL Gels Oil Solid	29 24.0 1/2/3	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB D/C HWT/DP	bly Length 17.87 637.42 91.99 33.30	Dev Depth 9577	iation Dev.
Pump Lin/St SPM GPM	No. 1	No. 2 6.5/9 105 388	Hr D Dr Cc Tr Su Lo	Our Record Recor	200rd 11.0	M= 65 Bit# Size Mfg Type Out	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 9699 9587	Wt Vis WL Gels	24.0 1/2/3	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB D/C HWT/DP JAR	bly Length 17.87 637.42	Dev Depth 9577	iation Dev.
Pump Lin/St SPM GPM	No. 1	No. 2 6.5/9 105 388	Hr D Dr Co Tr Su Lo	Our Record Rule ond/Circ ipping crvey orgging ash &	200rd 11.0	M= 65 Bit# Size Mfg Type Out In	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 9699 9587	Wt Vis WL Gels Oil Solid	24.0 1/2/3	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB D/C HWT/DP JAR	bly Length 17.87 637.42 91.99 33.30	Dev Depth 9577	iation Dev.
Fump Lin/St SPM GPM	No. 1	No. 2 6.5/9 105 388	Hrr D Dr Ccc Tr Su Lo W Ree	Our Record RU Our Record RU Filling Ond/Circ ipping Invey orgging ash & eam	200rd 11.0	M= 65 Bit# Size Mfg Type Out In Ftg	Bits RR19 7 5/8,JET S 7- 10'S SMITH MSi71 3,PDC 9699 9587 112	MWt Vis WL Gels Oil Solid pH	24.0 1/2/3 1.3 10.5	No. 3	Drilling Assem Description BIT,BIT SUB.,S/SUB D/C HWT/DP JAR	bly Length 17.87 637.42 91.99 33.30	Dev Depth 9577	iation Dev.



=Proje	ct No.:	5079	95A	Date: 0	5-8-2012		rt No.:		4 Re	ported B	y: Jimmy	Don Morri	is	
Opera	tor:	MA	LJAM	AR AGI #1			MATION	Ī	100)% LIMI	ESTONE		_	
Contra	actor:	UN	ITED	RIG #41		Rig	No. 41		Co	unty	LEA		State:	NM
Depth	:	101	10'	· · ·	290'		of Forma		VOLF C	AMP 9	544'			
Activi	ty at Re	port T	ime:	DRILLI	NG FOR	MATIO	N @ 1011	.0'				RKB:	15	·
Ti	ime Log	<u> </u>	Elaps	ed				Da	40:10 0	f O				
From	1	To	Tim	e				De	tans o	f Opera	ation			
060	00 06	500	24.0	DRILLE	D F/ 982	20' T/ 10	110 290'	@ 12.	1 FPH					
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<u> </u>			 	 -		·								
			<u> </u>											
ļ				 -					-					
		otal	24	 										
	Pump R			Our Rec	ord	1	Bits		Лud	-1	Drilling Assem	hlv	Day	iation
Pump	No. 1		o. 2	Hrs RU		Bit#	20	Wt	9.10	No.	Description	Length	Depth	Dev.
Lin/St	6.5/9			Drilling	L.	Size	7	Vis	30	3	BIT,BIT	17.87	Dehm	Dev.
LINSI	0.3/9		0.5/9	מוווווווו	24.0	BIZE	5/8,JET	V 15	30	3	SUB.,S/SUB	17.07		
							S 3-				30.5.300			
			_			[12'S							
SPM		10)5	Cond/Circ		Mfg	SECU	WL	28.0	21	D/C	637.42		
	<u> </u>				ļ	<u> </u>	RITY							
GPM			88	Tripping	-	Туре	M88F		1/2/3	_;		<u> </u>		
Press		2	250	Survey		Out		Oil		3	HWT/DP	91.99		
				Logging		Īņ	9699	Solid	0.7	1	JAR	33.30		
				Wash &		Ftg	411	pН	11.0	1,8	HWT/DP	553.48		
		+		Ream		Lima	33.0	Cl-1	7400	_		 		
<u> </u>	+			Misc		Hrs		Chl	7400	' -			<u> </u>	-
<u> </u>	-			Fishing	1	Bit Wt	30-35			_	TOTAL	1224.06		-
L <u></u> _	1			Run Csg	<u> </u>	RPM	65		.1		TOTAL	1334.06		



=Proje	ct No.:	507	95A	Date:	6-9-201	2 Rep	ort No.:	8	5 Rep	orted B	y: Jimmy	Don Morr	is	
Operat			LJAM	AR AGI#	1	FOF	MATION	1	100	% LIM	ESTONE			
Contra	ctor:	UN	IITED I	NG #41		Rig	No. 41		Coı	inty	LEA		State:	NM
Depth:		101	83'	Ft. Cut:	73'	Top	s of Form	ation W	OLF CA	AMP 9	544'			
Activi	y at Re	eport 7	Γime:	LOGG	GING W/	BAKER			-			RKB:	15	
Ti	me Log	g	Elaps	ed				D-4	: 1 4	. 0	_4:	L		
From		To	Time	_				Dei	tails of	Oper	ation			
060	0	1430	8.5	DRIL	LED F/ 10	0110' T/ 1	0183' 73	° @ 8.6	FPH, TO	TAL D	EPTH @ 10183	3'		
143	0	1630	2.0	CONI	D. & CIR	C. @ 1018	3', PUM	P HI-VIS	SWEE	P SURF	/SURF, HOLE	CLEAN		
163		1830	2.0	WIPE	R TRIP (25 STAN	DS), F/ 10	183' BA	CK T/ 7	800', B	ACK T/ 10183			
183		2030	2.0						SWEE	P SURF	/SURF, HOLE	CLEAN		·
203	0 0	0300	6.5	POOF	I TO LO	G, LD SH	OCK SUE	& BIT						
030	0 0	0500	2.0	WAIT	ON BAI	KER (LO	GGING L	NIT HA	D FLAT	TIRE))			
050		0600	1.0			OGGERS					<u> </u>			
					<u> </u>									
			†	+										
	····		1											
			†					•		_			-	
			 											
	1		 											
														
														
			1				•							
	_													
	-													
	- T	otal	24	-					-					
Т.	ump R			Our R	aaand	·	Bits	N.	ſud	1	Drilling Assem	1.1	D	
	No. 1			Hrs RU	lecoru	Bit#						, .		iation
Pump					0.5		20	Wt	9.10	No.	Description	Length	Depth	Dev.
Lin/St	6.5/9		6.5/9	Drilling	8.5	Size	7 5/8 TET	Vis	29	3	BIT,BIT	17.87	10179	0.7
				_			5/8,JET S 3-				SUB.,S/SUB			
				٠			12'S							
SPM		11	05	Cond/Circ		Mfg	SECU	WL	14.0	21	D/C	637.42		
		''		Coma One		1115	RITY	'''	1-7.0	"1		057.72		
GPM	1	3	388	Tripping	8.5	Туре	M88F	Gels	1/2/3	19	-	 	, <u></u>	
Press				Survey		Out	10183	Oil	†	3	HWT/DP	91.99		
				Logging	1.0	In	9699	Solid	2.0	1	JAR	33.30		
	 			Wash &	1	Ftg	484	рН	11.0	18	HWT/DP	553.48		
				Ream			'			-				
				Misc	6.0	Hrs	41.5	Chl	55000				-	
				Fishing		Bit Wt	35-40		 	1				
	1			Run Csg		RPM	65			1	TOTAL	1334.06		
			L			1	1	l	-l					1



=Proje	ct No.:	50795A	Date:	6-10-201	2 Repo	ort No.:	86	5 Rep	orted B	y: Jimmy	Don Morri	S	
Operat	tor:	MALJAM	AR AGI #1		FOR	MATION		100	% LIMI	ESTONE			
Contra	actor :	UNITED	RIG #41		Rig	No. 41		Cou	nty	LEA		State:	NM
Depth:	: :	10183'	Ft. Cut:		Tops	of Forma	tion W	OLF CA	MP 9	544'			
Activit	ty at Repo	ort Time:	LOGGI	NG W/B	AKER						RKB:	15	
	ime Log	Elaps	ed				ъ.	., .		.•			
From							Det	ails of	Opera	ation			
060	0600	24.	(GR,DI	LL,MLL), S AFTER	X-MAC 7 SOME	C, STAR/C THING J	BIL, RO AMMEI	COR, SB O GUN U	T, WHI JP, HA	N NEUTRON I ILE WE WERE D TO COME O W WITH CORI	GETTING OUT OF HO	G SIDE W OLE TO	ALL
								16.2.161					
,													
		•											
											,		
		.											
	Tota				r								
	Pump Rec		Our Re			Bits		lud	+	Drilling Assem	_ <u></u>		ation
Pump Lin/St	No. 1 6.5/9	No. 2 6.5/9	Hrs RU Drilling	- 1	Bit# Size	20 7 5/8,JET	Wt Vis	9.10	No. 3	Description BIT,BIT SUB.,S/SUB	Length 17.87	Depth 10179	Dev. 0.7
					! -	S 3-							1
SPM			Cond/Circ		Mfg	S 3- 12'S SECU RITY	WL	19.0	21	D/C	637.42		
			Cond/Circ Tripping		Mfg Type	12'S SECU	WL	19.0	21	D/C	637.42		
GPM						12'S SECU RITY				D/C HWT/DP	637.42		
3PM			Tripping		Туре	12'S SECU RITY M88F	Gels		19				
GPM			Tripping Survey	24.0	Type Out	12'S SECU RITY M88F 10183	Gels Oil Solid pH	1/2/3	19	HWT/DP	91.99		
GPM			Tripping Survey Logging Wash &	24.0	Type Out In	12'S SECU RITY M88F 10183 9699	Gels Oil Solid	1/2/3	19 3 1 18	HWT/DP JAR	91.99		
SPM GPM Press			Tripping Survey Logging Wash & Ream	24.0	Type Out In Ftg	12'S SECU RITY M88F 10183 9699 484	Gels Oil Solid pH	1/2/3	19 3 1 18	HWT/DP JAR	91.99		



=Proje	ect No.:	5079	95A	Date: 6	5-11-201	2 Repo	rt No.:	87	7 Repo	orted B	y: Jimmy	Don Morri	is	
Operat			LJAMA	R AGI #1	-	FOR	MATION	1	1009	6 LIM	ESTONE			
Contra		UN	ITED R	IG #41		Rig	No. 41	<u> </u>	Cou	nty	LEA		State:	NM
Depth:	:	1018	83'	Ft. Cut:			of Forma	ation W	OLF CA	MP 9	544'			
Activi	ty at Re	port T	ime:	LAY DO	WN DI	RILL PIP	E.					RKB:	15	
Ti	ime Log	<u> </u>	Elapse	d				D-4	-:16	0	4:			
From	1	То	Time					Det	ails of	Oper	ation			
060	00 1	700	11								IN NEUTRON I	DENSITY	•	
				(GR,DL	L,MLL)	, X-MAC	, STAR/C	CBIL, RO	COR, SB	Γ,				
1700	2	300	6.0	THETO	CONDI	TIONING	m ron	CACDIC	י מומי	IDO I		E/02 CTT/	DE (4000	,, ,
				BREAK			UD FUR	CASING	KUN, C	IKC. I	BBTMS UP @ 8	5/8 SH	JE (4230) &
2300	0:	200	3.0				PS SURF	F. TO SU	RF. (HO	LE CL	EAN, SPOT 10	0 BBL HI-	VIS. PIL	LON
2500	"			BTTM.					14. (110		, 01 0 1 10		, 10, 1,12	
0200		0530	3.5	POOH F	/ 10183	BACK	Γ/ 4200' (62 STD.)					
053	30 0	600	.5	R/U ALI	LENS L	/D MACI	HINE							
	-													
														
												•		
				 										
		-								<u> </u>				
														
		otal	24											
F	Pump R	ecord		Our Rec	ord		Bits	M	lud		Drilling Assem	bly	Dev	iation
Pump	No. 1	No	o. 2 I	Irs RU		Bit#	20	Wt	9.0	No.	Description	Length	Depth	Dev.
Lin/St	6.5/9		6.5/9 I	Orilling		Size	7	Vis	30	3	BIT,BIT	17.87	10179	0.7
							5/8,JET				SUB.,S/SUB			
							S 3-				1			
					<u> </u>	11	12'S				ļ	<u> </u>		ļ
SPM		1	05 (Cond/Circ	3.0	Mfg	SECU	WL	10.0	21	D/C	637.42		
CDM (+	+-	00 ,	Pulmulu -	0.5	Trum	RITY	Cala	1/0/2	10	<u> </u>			
GPM	+			ripping	9.5	Type	M88F	Gels	1/2/3	19	IDVTOD	01.00		
Press	 	$\frac{1}{2}$		Survey	11.0	Out	10183	Oil	1.6	3	HWT/DP	91.99		
	ļ			Logging	11.0	In	9699	Solid	1.6	1	JAR	33.30		ļ
				Wash &		Ftg	484	pН	10.5	18	HWT/DP	553.48		
 	 			Ream Misc	.5	Hrs	41.5	Chl	50000					
	+				1.3			CIII	20000	ļ				+
		+		Fishing Run Csg	 -	Bit Wt RPM	35-40 65	!			TOTAL	1334.06		<u></u>
						G- 1-1 N/I	1.65	i			1111141	1434 06		



	ct No.:	50795	5A	Date: (5-12-201	2 Rep	ort No.:	88	Repo	rted B	y:	Jimmy	Don Mor	ris	
Operat		MAL	JAMAR	AGI#1	_		RMATION	'	100%	6 LIMI	ESTON	Έ			-
Contra		UNI	TED RIC	G #41		Rig	No. 41		Cour	nty		LEA		State:	NM
Depth:		10183	3' F1	t. Cut:		Top	s of Format	ion: W	OLF CA	MP 9:	544'				•
Activit	y at Re	port Tir	me:	CIRC. 5	½" CAS	ING @	10183'						RKB:	15	
Ti	me Log]	Elapsed		i				.1 .				-		
From		To	Time		1			Deta	ils of	Opera	ation				
060		200	6.0	L/D D/P	& BHA										
120	00 1	330	1.5	TIH WI	TH PIPE	OUT O	F DERRIC	K							
133	30 1	600	2.5	L/D D/P											
160		730	1.5				F DERRIC	K							
173	30 1	800	.5	P/U & S	OFT BR	EAK K	ELLY								
180	00 1	900	1.0	CONTI	NUE TO	L/D D/I	?								
190		2130	2.5	L			" PRODUC	CTION (CASING	MOV	E ALL	FLOAT	EOUIP.	&	
				CENTR	ILIZER	TO FL	OOR, TUR	N L/D N							E OF
							NG EQUIPI								
213	80 0	600	8.5				ETING, P/U								
	İ						AT COLLA								
				OE 2nd I	V TOO	100L (@ 9753', TO 14',TOTAL	OF 72 (IKK, JI.	(<i>a</i>) 95 !	18', IU	ID CAR	KA TOUL	<i>2 (0)</i> 9474,	TOP
	Ì			OF 242		_ (W 934	4,IOIAL	Or /3 (JEN I KI	LIZEK	S, LAP	ND CAS	ING @ I	7183,10	IAL
	_			01 242	1011113							.			
												-			•
							ATT 11								
1															
	-														. 547
															-
		otal	24												
P	ump Re		24	Our Rec			Bits	M	ud			g Assem	bly	Dev	riation
Pump	No. 1	ecord No.	. 2 Hı	rs RU	T	Bit#	Bits	Wt	9.05	No.		g Assem	bly Length	Dev Depth	viation Dev.
Pump	No. 1	ecord No.		rs RU	T	Bit#	Bits	•							
Pump	No. 1	ecord No.	. 2 Hi	rs RU			Bits	Wt	9.05						
Pump Lin/St	No. 1	ecord No.	. 2 Hi .5/9 Di	rs RU rilling		Size	Bits	Wt Vis	9.05 30						
Pump Lin/St SPM	No. 1	ecord No.	. 2 Hi .5/9 Di Co	rs RU rilling ond/Circ		Size Mfg	Bits	Wt Vis WL	9.05 30 12.0						
Pump Lin/St SPM GPM	No. 1	ecord No.	. 2 Hr .5/9 Dr .5/9 Cc Tr Su	rs RU rilling ond/Circ ripping	12.5	Size Mfg Type	Bits	Wt Vis WL Gels	9.05 30 12.0						
Pump Lin/St SPM GPM	No. 1	ecord No.	. 2 Hi .5/9 Di Co Tr Su	rs RU rilling ond/Circ ripping arvey	12.5	Size Mfg Type Out In	Bits	Wt Vis WL Gels Oil	9.05 30 12.0 1/2/3						
Pump Lin/St SPM GPM	No. 1	ecord No.	. 2 Hi .5/9 Di Co Tr Su Lo	rs RU rilling ond/Circ ripping nrvey ogging	12.5	Size Mfg Type Out	Bits	Wt Vis WL Gels Oil Solid	9.05 30 12.0 1/2/3						
Pump Lin/St SPM GPM	No. 1	ecord No.	. 2 Hu5/9 Du Co	rs RU rilling ond/Circ ripping rvey ogging ash & eam	12.5	Size Mfg Type Out In Ftg Hrs	Bits	Wt Vis WL Gels Oil Solid	9.05 30 12.0 1/2/3						
Pump Lin/St SPM GPM	No. 1	ecord No.	. 2 Hu5/9 Du Co	rs RU rilling ond/Circ ripping nrvey ogging ash & eam	12.5	Size Mfg Type Out In Ftg	Bits	Wt Vis WL Gels Oil Solid pH	9.05 30 12.0 1/2/3 2.1 10.3			ription			



=Proje	ct No.:	5079	95A	Date:	6-13-2012	Report No.:	89	Repo	rted By	: Jimmy	Don Morr	s		
Operator:				R AGI #1		FORMATION		100% LIMESTONE						
Contractor:			ITED			Rig No. 41		Coun		LEA			NM	
Depth:					Tops of Formatio	n: WO	_	•			State:			
		eport Time:			RING TO	PUMP STAGE 2 TI				 	RKB:	15		
Ti	me Log	 5	Elapsed				D-4-:	1£	0		LL			
From To Time							ls of							
060		100	8.0		CIRC. 5 ½" CASING WHILE WAITING ON HALLIBURTON CEMENTERS									
1400		730	3.5	L	LLIBUR									
1730	2.5 PJSM, TEST LINES T/4K, CEMENT W/HALLIBURTON, RECIPE AS FOLLOWS, 20 B MUD FLUSH WT. = 8.4 PPG., MIX & PUMP 175 SKS. CORROSACEM ™ WT. = 14.8 PF YIELD 1.15, MIXING FLUID 4.84 GAL., TOC @ 8800', FCP = 360 PSI., BUMP PLUG W 520 PSI OVER = 880 PSI. @ 18:45 PM, HOLD FOR 5 MIN., RELEASE PSI. GOT 1 BBL. DROP BOMB WAIT 50 MIN. FOR SAME TO FALL TO DV TOOL, PRESSURE UP TO 6 DV TOOL OPEN									14.8 PPG, LUG WITI 1 BBL. B <i>A</i>	H .CK,			
2000	0	0600	10.0			TOOL W/ RIG PUN	⁄IP							
									-					
	_													
				_				•		·				
											· · · · · · · · · · · · · · · · · · ·			
							,							
•														
										· · · · · · · · · · · · · · · · · · ·				
		otal	24											
		p Record		Our Record		Bits	Mu	4	Drilling Assembly		hlv	Deviation		
p	umn R		- 1	Our rec							ULY		ation	
			o. 2 H	rs RU							Length	Denth	Dev	
Pump	No. 1			rs RU rilling	Į į	Bit# V	Vt	9.05	No.	Description	Length	Depth	Dev	
Pump Lin/St		N	D	rilling	F	Bit# V	Vt Vis	9.05 30			Length	Depth	Dev	
Pump Lin/St SPM			3 C	rilling ond/Circ	18.0	Bit# V Size V Mfg V	Vt Vis VL	9.05			Length	Depth	Dev	
Pump Lin/St SPM GPM		N	3 C	rilling	18.0	Bit# V Size V Mfg V Cype C	Vt Vis VL	9.05 30 12.0			Length	Depth	Dev	
Pump Lin/St SPM GPM		N	3 C Ti	rilling ond/Circ ripping	18.0	Bit# V Size V Mfg V Sype C Out C	Vt Vis VL Gels Oil	9.05 30 12.0			Length	Depth		
Pump Lin/St SPM GPM		N	3 C T S S L W	rilling ond/Circ ripping urvey ogging /ash &	18.0	Bit# V Size V Mfg V Sype C Out C n S	Vt Vis VL Gels Oil olid	9.05 30 12.0 1/2/3			Length	Depth		
Pump Lin/St SPM GPM		N	3 C T) S) L W R	rilling ond/Circ ripping urvey ogging	18.0	Bit# V Size V Mfg V Cype C Out C n S Etg p	Vt Vis VL Gels Oil Olid H	9.05 30 12.0 1/2/3 2.1			Length	Depth		
Pump Lin/St SPM GPM Press		N	3 Control Side Side Side Side Side Side Side Side	rilling ond/Circ ripping urvey ogging /ash & eam	18.0	Bit# V Size V Mfg V Sype C Out C n S Stg p	Vt Vis VL Gels Oil Olid H	9.05 30 12.0 1/2/3 2.1 10.3			Length	Depth		



=Project	t No.:	5079	95A	Date: 6	5-14-201	2 Repor	t No.:	90	Reported	By: Jimm	y Don Morr	ris			
Operato	r:	MAI	LJAMAF	R AGI #1		FORM	MATION		100% LIN	ESTONE .					
Contrac	tor:	: UNITED RI		G #41		Rig No	o. 41		County	LEA		State:	NM		
Depth:		10183' F		t. Cut:		Tops o	of Format	tion WC	LF CAMP	9544'					
Activity	at Re	port T	ime:	NIPPLE	NIPPLE DOWN BOP'S RKB: 15										
	ne Log		Elapsed		Details of Operation										
From		То		Time -											
0600		700	1.0 2.5	CIRCULATE THRU DV TOOL W/ RIG PUMP PJSM, TEST LINES T/ 4K, CEMENT W/ HALLIBURTON, STAGE 2 RECIPE AS FOLLOWS,											
0700		0930		25 BBL. PPG, YI WITH 1: BBL. BA UP TO 7	MUD I ELD 0.8 500 PSI ACK, DI 80 PSI.	FLUSH WI 87, MIXIN OVER = 1 ROP BOM , DV TOO	246 SKS. THE 3350', FCP = 52 FOR 5 MIN., F	, STAGE 2 RECIPE AS FOLLOWS, 6 SKS. THERMALOCK, WT. = 15.5 50', FCP = 520 PSI., BUMP PLUG DR 5 MIN., RELEASE PSI. GOT 1 ½ D FALL TO DV TOOL, PRESSURE							
0930) 2	2200	12.5	CIRCULATE THRU DV TOOL W/ RIG PUMP											
2200		0100	3.0	BBL. W. PPG, YE WT. = 1 BUMP F PSI, HO	PJSM, TEST LINES T/4K, CEMENT W/HALLIBURTON, STAGE 3 RECIPE AS FOLLOWS, 20 BBL. WATER SPACER 8.3 PPG., LEAD CEMENT, 1150 SKS OF ECONOCEM, WT. = 12.7 PPG, YEILD = 1.86, MIXING FLUID = 10.11 GAL., TAIL CEMENT, 200 SKS OF HALCEM, WT. = 15.8 PPG, YIELD = 1.16, MIXING FLUID = 5.15 GAL., 217 BBL. DISPLACEMENT, BUMP PLUG @ 00:45 AM WITH FCP = 2850 PSI, BUMP PLUG WITH 1500 PSI OVER = 4350 PSI, HOLD FOR 5 MIN. GOT 3 BBLS. BACK, FLOATS HELD, GOT 25 BBLS. CEMENT BACK TO SURFACE, FULL RETURNS THRU OUT JOB, CEMENT IN PLACE @ 00:45 AM										
0100) (0200	1.0			LLIBURT					<u> </u>				
0200) (0400	2.0	P/U BOP'S, SET 5 ½" CASING SLIPS WITH 50K, MAKE ROUGH CUT ON 5 ½" CSG., L/D SAME											
0400) (0600 2.0		NIPPLE DOWN BOP'S											
	To	otal	24												
Pu		p Record		Our Rec	ord	Bits Mu		d	Drilling Assembly		Deviation				
ump		7	Hı	rs RU		Bit#	T	Wt	No.		Length	Depth	Dev.		
in/St		_		rilling		Size	 	Vis	-		256		1 201.		
PM		\dashv		ond/Circ	13.5	Mfg	1	WL		<u> </u>			 		
GPM		-		ipping	13.3	Туре		Gels		 			+		
ress	.	_		ırvey	 	Out	 	Oil		 	<u> </u>	 			
1033				ogging		In		Solid		1			+		
			W	ash & eam		Ftg		pH			-		 		
				eam E <i>MENT</i>	5.5	Hrs		Chl		-			+		
				shing		Bit Wt	 			-	-		+		
		_		ISC.	5.0	RPM				TOTAL		-	+		
			101	150.	۲.۷	14T				TOTAL		<u> </u>			



=Projec	ct No.:	5079	95A	Date:	6-15-2012	Repo	rt No.:	91	Reported	orted By: Jimmy Don Morris						
Operator:		MA	LJAMAR	R AGI #1		FORMATION			100% LI	MESTO	ESTONE					
Contra	ctor:	UN	ITED RI	G #41	·	Rig N	No. 41		County		LEA		State: NI			
Depth:		1018	33' F	t. Cut:		Tops	of Formation	WO	LF CAMP	9544'						
Activit	y at Re	port T	ime:	PREPA	RE TO M	OVE RI	G	•	•	-		RKB:	15			
Tir	me Log	5	Elapsed		Details of Operation											
From		То	Time		•											
060	0 0	0830	2.5	MAKE FINAL CUT, INSTALL TBG. HEAD, TEST SAME T/ 5K PSI., INSTALL CAF FLANGE										ī		
083	0 1	500	6.5	FINISH N/D BOP'S, CLEAN PITS												
150	0 0	600	15.0	PREPA	RE TO M	OVE RI	G OFF OF LO	CAT	ION							
					•											
		•			W. 0, 2		,									
				RELEA	SE RIG (<u>a</u> 15:00	PM 6/15/20	2								
						<u> </u>										
			· · · · · -	FINAL	REPORT	·										
		_					 -	 .								
				<u> </u>												
	_								· -					-		
							· ·									
										 -		-				
						.,										
	To	otal	24													
P	ump R			Our Record		Bits		Muc	I	Drillii	rilling Assembly		Dev	iation		
Pump	Γ.		Hı	rs RU	E	3it#	W		No		cription	Length	Depth	Dev.		
Lin/St			Dı	rilling		Size	Vi	s			-	1	<u> </u>			
SPM			C	ond/Circ		Лfg	W	Ĺ	<u> </u>					 		
GPM	1			ipping		Гуре	Ge	ls						1		
Press	<u> </u>	_		ırvey		Out	Oi						1	1		
				ogging		n	So	lid						1		
			W	ash &	F	îtg	pF				-	1		1		
	<u> </u>	\perp		eam	1							<u> </u>				
	<u>ļ</u>			EMENT		Irs	Ch	1		1				1		
	<u> </u>			shing		Bit Wt						.]				
	1		M	ISC.	24.0 F	RPM				TO	ΓAL					