

ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

SURFACE

CAZA OPERATING, LLC
IGLOO 19 24 STATE FED COM 14H
LEA, NEW MEXICO

PRIMARY PUMP: SECONDARY PUMP: 2019

PREPARED BY: DANIEL MORENO

SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610

3/2/2020

ART20-12193-01R

Par Five Energy Services, LLC

MM, sisəttA 11279 Lovington Hwy



STI SADIANAS ASNAMA

		noitemnoi	Slurry Inf				
Rodriguez, Sonny	Reported By:					Kurt Crowe	
Pilot Blend	Blend Type:	98	BHCT:			Vabors MS1	:giA
Surface	:String:	96	:TSH8	MN	State:	_	County:
реәд	:eget2	0707	:DVT		Fed Com 14H	Igloo 19 24 State	
February 27 2020		2020	:DM			Saza Operating	Customer:

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0		∠0:₺	3:22	3:30	3:20	4。98	25.25		7.6	35	32.5	2.82	5.61		J. 08
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		əmiT	hickening	IT						(sgnib	rage Read	ĐνΑ) γ	Војовц	B	
				t	71806107	כונ	Fi		Jā	əmsolə	MOB D	1) IP/sk	0.40	PF-045
									əu	ellopha	MOB C	3	p lb/sk	0.125	PF-029
				1	T6K5600	٦٨		ə	Chlorid	alcium	MOB C	3	% 9	2.00%	PF-001
				196	t Numb	ng <mark>0]</mark>			noito le Gel	entonite	d ngisə	a u	oitenti	00.4 4.00%	Additive PF-020
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				4		noitisoqm	Slurry Coi								
/s/leg 648.0	t :biulit x	άM				√s/tho Γ	Yield: 1.9						1	3dd 06.2	Density: 13

ART20-12193-02R

Par Five Energy Services, LLC 11279 Lovington Hwy

Artesia, VM Phone(575)748-8610 Fax: (575)748-8625

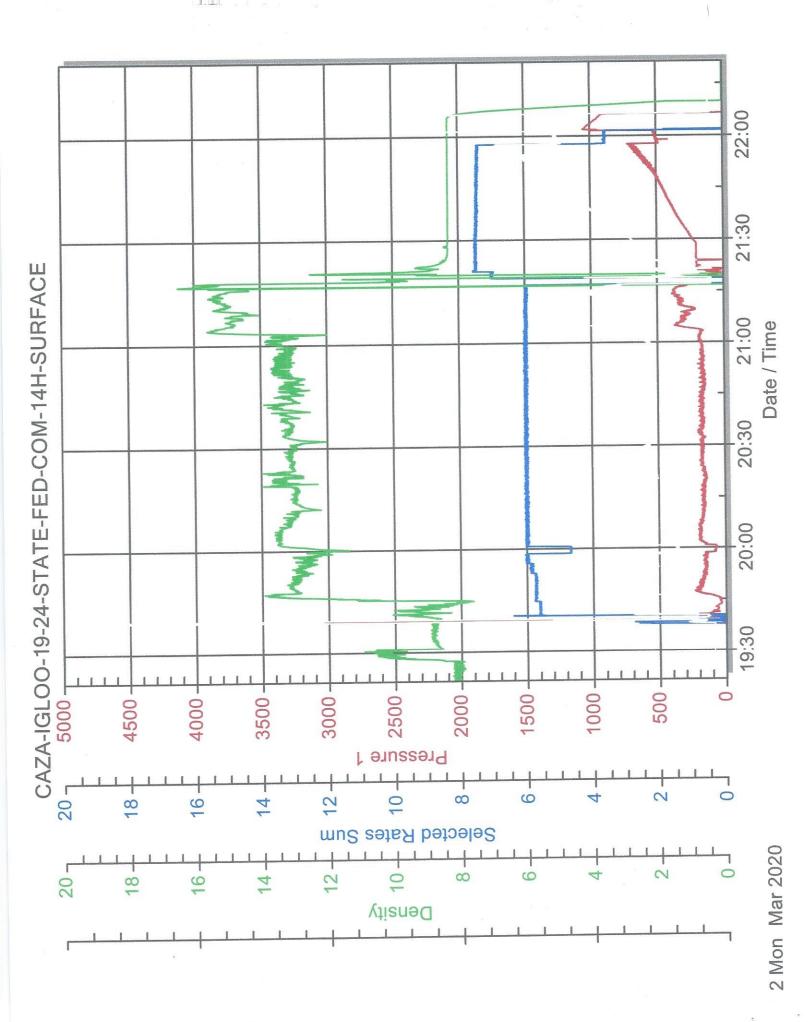


ENEBGY SERVICES LLC

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		noitemaol	Slurry In				
Reported By						Kurt Crowe	Salesman:
Blend Type		98	BHCT:			Vabors MS1	:giA
gnint2		96	BHST:	WN	State:	Гея	County:
9gst2		0707	:QVT		н∳1 то⊃ bэ	Figloo 19 24 State F	Well Name:
Report Date		0707	:QM			Saza Operating	Customer:
	egst? Britt? Blend Type Reported By	Stage String Blend Type Reported By	Stage	TVD: 2020 Stage Shorty Information Stage	TVD: 2020 Stage NM BHST: 96 String BHCT: 86 Blend Type Reported By	ed Com 14H TVD: 2020 State: NM BHST: 96 String BHCT: 86 By Reported By	Igloo 19 24 State Fed Com 14H TVD: 2020 State Lea State: NM BHST: 96 String Rurt Crowe Reported By Slurry Information

Cement Blend: Class C Slurry Composition Lot Number Lot Number BWOB BWOB LEAT

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0		52:5	3:02	2:24	1:42	4。98	SZ.TS	14.25	99	2.49	2.92	2.22	14.5	4° 08
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Thickening Time									(sgnibe	sge Rea	элА) үз	Rheolo		



WELL SUMMARY



EVERGY SERVICES LLC

			DIRECTIO	SN			
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A3J :YTNUO			:3TATE:	NEM WEX	001		3370 300 072
ECTION: 19		IHSNMOT	P:	502		RANGE:	32E
PI NUMBER:	30-025-46412	Anna	AFE NUN	IBER:		201110	330
NEFF NOMBEK:	НФТ		TICKET N	UMBER:	TSZOT	,	
EASE NAME:	1GLOO 19 24 STATE F	ED COW	-	: BMAN 8	72207		- de de la companya d
:3MAN YNA9MO:	CAZA OPERATING, LL))	:3TAQ	3/2/2020			

Take 82 east to 360, turn right on 360 and go to 62-180, turn left on 62-180 and go to Marathon road, turn right on Marathon and go 5.5 miles, turn left go 1.5 miles to location. Napors M51

ENTERED 3-2-2020

HZE

10B PROCEDURE

BE SAFE

20 BBLS GELLED WATER

DISPLACE CEMENT 320 SKS TAIL 1080 SKS LEAD

WELL SUMMARY



EVERGY SERVICES LLC

Additioning	1						
DENSITY:	VIELD:		MIX H2O:		PACKS:		
4TH SLURRY:							
DENSITY:	VIELD:		MIX H2O:		PCKS:		
3RD SLURRY:			And the second s				
DENSITY: 14.8	VIELD:	1.32	MIX H2O:	408.8	PCKS:		350
SND SLURRY:	C Neat					Communication (Communication Communication C	
DENSILA: 17:9	AIEFD:	76.1	MIX H2O:	10.841	ACKS:		1080
1ST SLURRY:	C+4%bE50	əə ətinotnə8)	I)+2%PF1(Calciu	.0+(9binold2) r	25#/skPf29(Celloflake)+0.4	#/skPF45(Defoamer)
				ATAG GIUJ:			
:0/3	and the second s	(S. C2888)		MUN TINU	EK:		
E/O:				IMUN TINU	EB:		
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E/O:	O nitsud	notgnibbo		IMUN TINU	ER:	1020-2006	
:ЯОТАЯЗАО АМПА	Josh Cas	selli		IMUN TINU		1021-2019	
SUPERVISOR:	M ləinad	aniel Moreno FIELD REPRESENTATI/				:3	
				OUIPMENT			
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DRILL PIN SIZE/TYPE:				:GA38HT	A contract of the contract of	8rd	
CEMENT HEAD SIZE	l	13 3/8		DUICK CON	ECT SIZE:	13 3/8	
PACKER OR RETAINE			SURF	ICE EQUIPN			
TBG/D.P. LB/FT:	}		NAME SURF	PERF/HOLE	EPTH:		
TBG/D.P. SIZE:	}		AANOS	TOOL DEPTI	: EPTH:		
	}		/HYNS	TBG/D.P. DE TOOL DEPTI PERF/HOLE	: : :HTq3		
::::::::::::::::::::::::::::::::::::::			UT \ARUS	BULAR DAT 186/D.P. DE 100L DEPTI PERF/HOLE	EPTH:		
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DV TOOL DEPTH:	1935		UT HAUS	TOTAL CASII BULAR DAT TBG/D.P. DE TOOL DEPTI	OOL DEP	:HT	
FLOAT COLLAR DEPTI DV TOOL DEPTH:	SE6T T9:628T F		UT	SHOE JOINT SECOND DV TOTAL CASII BULAR DAT TBG/D.P. DE TOOL DEPTI	DEBLH: COF DEB. CORT DEB. CORT DEB.	98.3t	
CASING LB/FT: FLOAT COLLAR DEPTI DV TOOL DEPTH:	19.6781 13.9.61		UT	TOTAL CASII BULAR DAT TBG/D.P. DE TOOL DEPTI	DEBLH: COF DEB. CORT DEB. CORT DEB.	:HT	
CASING SIZE: FLOAT COLLAR DEPTI DV TOOL DEPTH:	8/8 ET	4-C	UT	ASSING GRAPHOE JOINT SECOND DV TOTAL CASII BULAR DAT TRG/D.P. DE TOOL DEPTI	DEDIH: COOF DEB. TENGTH: DEB.	SS 65.39	
PREVIOUS CASING LB CASING LB/FT: CASING LB/FT: PREVIOUS CASING LB	.T7\ 8\8 £1 19 10.9\781 2891	76	AT THE STATE OF TH	CASING GRADOLS CONTROL CASING GRADOL DO TO THE TOTAL CASING TO THE TOTAL CASING TO THE TOTAL THE	SING DEP	1 :HT 52 65.39 HT:	
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MIX H2O:

2ACKS:

DENSILA:

STH SLURRY

AIEFD:

WELL SUMMARY

	1.9	MUD WEIGHT:	987	DISPLACEMENT VOLUME:	FRESH WATER	DISPLACEMENT TYPE
1	r 01	ANITO WILLIAM	500			