KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License #	API No. 15 - 063-21625 -60-00
Name: BEREN CORP	County: Gove
Address: P O Box 20380	50'N _C SE _ NE Sec. 36 Twp. 14 S. R. 30 ☐ East West
City/State/Zip: Wichita, KS 67208 UN 2 9 2006	1930' FNL feet from S / N (circle one) Line of Section
Purchaser: CONFIDENTIAL	660' FEL feet from E / W (circle one) Line of Section
Operator Contact Person: Sereny Line	Footages Calculated from Nearest Outside Section Corner:
Phone: (_316) _265-3311	(circle one) NE SE NW SW
Contractor: Name: BEREDCO	Lease Name: Coberly B Well #: 3
License: 5147	Field Name: Lundgren
Wellsite Geologist: William Bynog	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 2656' Kelly Bushing: 2667'
New Well Re-Entry Workover	Total Depth: 4390' Plug Back Total Depth:
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 274 Feet
GasENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tosx cmt.
Well Name:	· · · · · · · · · · · · · · · · · · ·
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AHTII NH 7-1-
Deepening Re-perf Conv. to Enhr./SWD	3000
Plug BackPlug Back Total Depth	1
Commingled Docket No	Dewatering method used
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
5/4/2006 5/13/2006 Spud Date or Date Reached TD Completion Date or	Quarter SecTwpS. R
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workow. Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING. Submit CP-111 form with all temporarily abandoned wells.
referrible to an a complete and correct to the best of my knowledge.	
Signature: ////	KCC Office Use ONLY
Title: Reservoir Engineering Tech Date: 06-28-2006	Letter of Confidentiality Received
2007	If Denied, Yes Date:
Subscribed and sworn to before me this	, , , , , , , , , , , , , , , , , , , ,
20.06.	Geologist Report Received RECEIVED
Notary Public / 1849 6 1000	UIC Distribution JUL 0.5 2000
Date Commission Expires: \\ \(\lambda LO 200 \) \\	
	DIANA E PLOTNER NOTARY PUBLIC DIANA E PLOTNER NOTARY PUBLIC

My Appt. Exp.

BEREXCO INC.

June 29, 2006

Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202 KCC
JUN 2 9 2006
CONFIDENTIAL

RE:

Request for Confidentiality

Coberly B #3 50' N C-SE NE

Section 36- 14S- 30W Gove County, Kansas API # 15-063-21625

Gentlemen;

BEREXCO, INC. requests that the enclosed information be held confidential for one year per K.A.R. Rule 82-3-107 (e).

Please do not hesitate to contact me if you have any questions.

Sincerely,

William B Lamb

Reservoir Engineering Tech

BEREXCO, INC.

316-265-3311

bill@berexco.com

Encls: Form ACO-1 (Original & 2 copies)

Form CP-4

Cementing Ticket (Surface Casing) Cementing Ticket (Well Plugging)

Microlog

Dual Compensated Porosity Log

Dual Induction Log

Geologist's Report

DST Report (#1, #2, #3, #4 & #5)

RECEIVED
JUL 0 5 2006

KCC JUN 2 9 2006

perator Name: BERE	N CORP		Lease	Name: Cobe	erly B		Well #: <u>3</u>	CONFIDENT
ec. 36 Twp. 14		East ✓ Wes		Gove				
NSTRUCTIONS: Sho ested, time tool open emperature, fluid reco lectric Wireline Logs	and closed, flowing very, and flow rate	g and shut-in pressu s if gas to surface te	res, whether sho est, along with fir	ut-in pressur	e reached sta	atic level, hydr	ostatic pressu	
rill Stem Tests Taken (Attach Additional Si	heets)	✓ Yes □ N	o	✓Log	Formation	(Top), Depth	and Datum	Sample
amples Sent to Geok	·	✓ Yes 🔲 N	o	Name Anhydrite			Тор 2086'	Datum +581
ores Taken	,	· 🗌 Yes 📝 N	o	Heebner			3678'	-1011
ectric Log Run		✓ Yes	0	LKC			3712'	-1045
(Submit Copy)				вкс			4042'	-1375
st All E. Logs Run:				Marmator	1	•	4058'	-1391
CNL, DIL, Mici	rolog		•	Fort Scot			4212'	-1545
•			,	Mississip	pi		4314'	-1647
			ING RECORD set-conductor, sur		Used	n, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	W eigl Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20	270		common common	180	2% gel, 3% CC
				•		,		
		ADDITIO	NAL CEMENTIN	G / SOLIFEZ	E BECORD			
Purpose:	Depth	Type of Cement	#Sacks U		LILOUND	Type and	Percent Additive	s
Perforate Protect Casing	Top Bottom	7						
Plug Back TD Plug Off Zone	n/a							
	<u> </u>							
Shots Per Foot		ON RECORD - Bridge Footage of Each Interva				re, Shot, Cemer	nt Squeeze Reco	_
n	/a	Toolage of East Mile Ve	ar i ciroratea	n/a	(Amou	and Kind Of W	ateriai Oseuj	Depth
		<u>.</u>						
	···							
	The state of the s				·			
JBING RECORD	Size	Set At	Packer At	Line	er Run	Yes No)	
ate of First, Resumerd F	Production, SWD or E	Enhr. Producing	Method					
				Flowing	Pumping	Gas Li		er (Explain)
timated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Water	Bbls		Gas-Oil Ratio	Gravity
sposition of Gas	METHOD OF C	COMPLETION		. Prod	duction Interval			RECEIVE JUL 0 5 20 KCC WICHI
						Commingled		
Vented Sold	Used on Lease	Open H	lole Perf.	Dually	Comp.	Commingled _		JUL II K nr

ALLIEU CEMENTING CO., INC. 23742

REMIT TO P.O. BOX 31	S 67665 JUN 2 9 2	006	SERV	ICE POINT:	h-0
RUSSELL, KANSA	CONFIDEN			$_Ca$	Klex_
SEC. TV	VP. 14 ³ RANGE U CA	ALLED OUT	ON LOCATION	JOB START	JOB FINISH
DATE 5-13-06 36	14 30		0.00	9:45 COUNTY	STATE
LEASE Derly BWELL# 3	LOCATION Gove	103-6W-	1/25	Bove	Kan
OLD OR NEW (Circle one)					
	7 1 H10	OWNED	6		
CONTRACTOR Bored	co Dils#10	OWNER	Samo	· · · · · · · · · · · · · · · · · · ·	•
HOLE SIZE 7%	T.D. 4390'	CEMENT		· · · · · · · · · · · · · · · · · · ·	
CASING SIZE	DEPTH	AMOUNT ORI		0 5/3 9	6 per
TUBING SIZE	DEPTH	66	Cel, 14#FI	10-Soc1	
DRILL PIPE	DEPTH 2056				
TOOL 4"	DEPTH 2085 MINIMUM	COMMON	114 SKS	@ 11 <u>00</u>	1,25400
PRES. MAX MEAS. LINE	SHOE JOINT	POZMIX	76 SK3	@ 520	3952
CEMENT LEFT IN CSG.	51102301111	GEL	10 9Ks	@ <u>15-00</u>	15000
PERFS.		CHLORIDE		_ @	
DISPLACEMENT		ASC	1 1107	-@ <u>-180</u>	86 40
EQUIPI	MENT	-Flo-Sa	1 48#	_@ <u></u>	
and the second			RECEIVED		
PUMPTRUCK CEMENTER	Walt			_ @	
# LO2 HELPER	Jarrod	J	UL 0 5 2006	_ @	
BULK TRUCK # 790 DRIVER	11.	KC	C WICHITA	_ @	
# 399 DRIVER BULK TRUCK	Mian		OWICHIA	@	
# DRIVER		HANDLING_	209 St	@ 	3434
		MILEAGE		sklaide	650 44
REMA	RKS.	1VII.E.E. 102		TOTAL	2,8794
KEMA	KIKO.				
25 SK > 20	85		SERVI	CE	
100 SKS 2 112	50'				
40 SK3 D 35	20'	DEPTH OF JO			00500
10 SKS 2 49	/		CHARGE		825
15 SIS IN KIH		EXTRA FOOT	AGE_Wiles	@ 5_0 0	23000
		MANIFOLD_		@	
		WANT OLD			
	_			@	
CHARGE TO: Bere	n Corp				1055
STREET	v .			TOTAL	. 1,035 -
			·		
CITYSTAT	E ZIP		PLUG & FLOA	_	NT
s			85	18-	
		1- D.H	1. Plug	@	
				@ @	- ')
To Allied Cementing Co., Inc.	and the		* ±	_ @	
You are hereby requested to r					
and furnish cementer and hel	per to assist owner or				06
contractor to do work as is list				TOTAI	35
done to satisfaction and super contractor. I have read & und	derstand the "TERMS AND				
CONDITIONS" listed on the		TAX			<i>y</i>
COLUMNIA II DIO ON UNO		TOTAL CHAI	RGE		
•		DISCOUNT -		пта	
	0/1/10				
SIGNATURE	> Jennay	· · ·	PRIN	TED NAME	
	<i>y</i> ·		i Kuv.	11 247,124	

ALLIED CEMENTING CO., INC. 23972

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 JUN	2 9 2006	SERV	ICE POINT:	KLEY
MANE	IDENTIAL			142/
	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 5130 AN
COBERIY "B" WELL# 3 LOCATION GOUE	105-503-		COUNTY	STATE AS
OLD OR NEW (Circle one)				
CONTRACTOR BERENCO RIG# 10	OWNER	5AME	,	
TYPE OF JOB SURFACE	OWNER	011		
HOLE SIZE /2/4" T.D. 275	CEMENT			
CASING SIZE 8 % DEPTH 270	AMOUNT OR	DEDED		
TUBING SIZE DEPTH		Com 3200	-1 221	<i>C /</i>
DRILL PIPE DEPTH	700 8/10	CUM 3/60	<u> </u>	
TOOL DEPTH				
	COMMON	140 CV-	@ 11%	1980 €
		100 310	<u>@ // 46</u>	1130 €
MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. 15	POZMIX	5 010-	(a)	Jim do
	GEL	3 5Kg	@ /5 %	75 20
PERFS.	CHLORIDE _	6 5Ks	@ 42 \$	2524
DISPLACEMENT 16/4BS	ASC		. @	
EQUIPMENT			. @	
		RECEIVE	:R	
PUMPTRUCK CEMENTER TERRY				
# 19/ HELPER WAYNE		JUL 0 5 2	096	
BULK TRUCK		Krown	@	
# 377 DRIVER KELLY		KCC WICH	FA	
BULK TRUCK		r: \$	@ <u>- </u>	
# DRIVER		1	@	
DRIVER	HANDLING_	189 SKS	@ / 22	321 32
	MILEAGE Z	FRER SK /	MILE	608 5
REMARKS:	•	•	TOTAL	3206 82
CEMENT did CIRCI			101112	
Elivery City		SERVIC	41F	
\$40000 \$4000		SERVIC	Æ	
	DEPTH OF JOI	2 2	70'	
NAME OF THE PARTY	· · · · · · · · · · · · · · · · · · ·	CHARGE		735 %
	EXTRA FOOTA			700 0
	MILEAGE	10L	@ 	72 100
THRIDK YOU	MANIFOLD		@	
1/////	1 (240 · ·		<u>@</u>	
CHARGE TO: BEREN CORP.			@	
CHARGE TO: DEKEN CORP,		.•	••	01-4
STREET			TOTAL	760 E
	•		ř	
CITYSTATEZIP	i.	TIO O TI O I	.	
	- w/	LUG & FLOAT	EQUIPMEŅ	T
¾ .	3% SURF	ACE PHE	¥ .	55 %
			@	
			@	
To Allied Cementing Co., Inc.		<u> </u>	@	Kan and the
You are hereby requested to rent cementing equipment				
			@	
and furnish cementer and helper to assist owner or				
contractor to do work as is listed. The above work was	a.		TOTA I	55 %
done to satisfaction and supervision of owner agent or			TOTAL	ــــــــــــــــــــــــــــــــــــــ
contractor. I have read & understand the "TERMS AND	TA 32			
CONDITIONS" listed on the reverse side.	TAX			1
en e		GE		
	TOTAL CHARC			, , , , , , , , , , , , , , , , , , ,
	TOTAL CHARC	GE	IF PAII	D IN 30 DAYS

	30/	
		MU INC.

MOBILE UNIT

DRI	LLING M	IUD REPOR	T REPO	RT	
DATE_		<u>5</u> 20 Z	DEPTH_	11.30	
	API WELL	STATE CO	VTAU		

				_		11	API WEL:		STATE	COUN.	TΥ			
100 S. Main, Suite	e 405 / Wich	ita, KS	67202 /	316-2	64-2814	·	NO.							
OPERATOR					CONTRA	CTOR					F	IG NO.		-
ROMERC	/)			_		Berco	100				_	16		
ADDRESS					ADDRES	S					∥ ^s	PUD D.	ATE	
REPORT FOR MR.		/		-	REPORT	FOR MR.					-	ECTION	TOWNS	SHIP RAN
THE OWN FOR MIN.	• •			. '	ici on i	Tillier	9					28	والرابر	J 57
WELL NAME AND NO.		٠.,	2	FIELD	ORBL	OCK NO.	COUNTY	-		ST	ATE	<i>j</i>		
_ 3-B G1	Broly						. ,	600	<		مسيور			
OPERATION	/ ·c/	ASING		М	UD VOL	UME (BBL)	2	<i>1</i> / ₂ C	IRCUL	ATION	DATA			
PRESENT ACTIVITY	11-00	RFACE	//	HOL		PITS	PUMP SIZI	E X	IN.	/			L. (F	T./MIN.
BIT SIZE (IN.)/ NO.		MEDIA			L CIRC	JLATING	PUMP MAI	KE	/		POSIT			· · · · · · · · · · · · · · · · · · ·
17/8 2	IN. at		FT.	VOLL	ME	J. 19	MODEL	ZN.	10.	OF	PPOSIT	E COL	LAR_	3 1/2
DRILL PIPE SIZE TYPE	PRODUCT	ION OR	LINER	IN ST	ORAGE		BBL/STRO	OKE ST	ROKE	MIN CI	RCUL	ATING RE PSI		900
1/2 41	IN. at		FT.				13	<u>></u>				ne rsi IS UP (!	MIN)	Jane Sangar
DRILL COLLAR LENGTH	MUD	D.	1218		·····		BBL./MIN.			SY	STEM		******	
0/1/1982	TYPE			PROPE	DTIES	DAILY COST		7.7.	<u>/</u>			(MIN.)		
Sample from ☑ ⊂lov Flowline Témp /ture			MOD	PROPE	RIIES	DAILY COST	. مرمت بر	نوق ہم	,	MULA			مزيزن	The state of the s
Time Sample Taken	(AM) PM	name"	100	Γ	T	7	MUDI	PROPER	TIES	DECIFIC				
Depth (ft)	<u> </u>	- Santa	1	2/7/		WEIGHT	<u>:</u>	ISCOSIT			FILTE			
Weight (ppg) (lb/cu ft)			1/3/	-	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3/2/ 1/	مدر التدويج	17:00			K .		
Mud Gradient (psi/ft)			21	ļ		BY AUTHORI	OPER OPER							IACTOR
Funnel Viscosity (sec/qt) API a		, °F	1777 200	2.7	-	 		TERIAL						
Plastic Viscosity cp at	%F		27	-3'	 		, prog.			<i>:</i>				
Yield Point (lb/100 sq ft)			7.	. 3	173 4	1686 13	r gk (1	fire	. 45	a in	100		
Gel Strength (lb/100 sq ft) 10	\ coo/10 min		1	71	1.1		ingles of	والمنتز الممرة	Jank T	Elen			fa '	. '
pH Strip Meter	sec/10 mm					4			1,	. 2			,	
Filtrate API (ml/30 min)	<u> </u>		7.11		, ,		e e e e e e e e e e e e e e e e e e e	. /	'عر ر		د د د مورو مد	1 19	س. عو مي	
Cake Thickness 32nd in API	☐ HP.HT □		13:20		-	∦ ` 200 1		,eri	* .*	, C (C)	•	المسترين	14.	
Alkalinity, Mud (Pm)					+	1/2/1/2	;	a et er	الم المحمل	1	ŕ	,		
Alkalinity, Filtrate (P _f /M _f)			11	,	,	1. 6.7						1 15		
Sale Dpm Chloride	ppm	1.1.1	200		+	1 E	Complete S	ā						
Calcium ppm Gyp (ppb)	gpg	1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	11/10		+	1		,		, i				
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Solids Content (% by Vol)			100			1 2000	and the second		•	·′				
Oil Content (% by Vol)			20		+	11.	state o	- 20						
	100 m	1 64 2	، د تومروس		 .		en e							
L.C.M. #/bbl	· · ·	<u>-</u> -	780		+	41	and the second			at port			ر م	
Preservative #/bbl					+	7[[F.	Se part of			<i>K</i> .	Z .
					<u> </u>	∦	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			72	eger.	4 .		
			L		<u> </u>	127-3				, ,	,		• -	 /
MUD ON HAND/USED	MUD C	N HAN	D/USED	_		1		_		1	,	1		. 7
Premium Gel			Drillpa			14 6	Attention .	N. C		7.		ممسند		
Soda Ash Caustic Soda		.)	C/SHL Multi S					*		,				
Super Lig	(7 	 	Cedar					Jan.	Market and	, er				
/ Lime /	'	1	Cello F						٠, ٠			. ** •	r e	
									1	01			2	
			4							general constraints		/		
							······································							
THE RECOMMENDATIONS	S MADE HEREO	N SHALL	NOT BE C	ONSTRI	JED AS A	UTHORIZING THE	INFRINGEME	ENT OF A	NY VAI I	D PATEN	IT. AND	ARF M	ADF W	VITH-
OUT ASSUMPTION OF A	ÑŶ LIABILITY B	Y MUD-C	O / SERV	ICE MUD	, INC. O	R ITS AGENTS, A	ND ARE STA	TEMENT	S OF O	PINION C	NLY.	, I = 17//		
REPRESENTATIVE	, /,	11		HOME	ADDRE	SS	17777		<u> </u>	Ţ	ELEPI	HONE	~	200

WAREHOUSE LOCATION

MUDOGU MUD MC. SERVICE A7202 / 316-264-2814

_	DRILLING MU	D REPORT	REPO	RT	. 3	
	DATE	20′	DEPTH_	2	99	5
	API	STATE COL	INTY			
	WELL NO.					

100 S. Main, Suite 405 / Wichita, KS	67202 /	316-26	4-2814		NO.								
OPERATOR		C	ONTRA	CTOR					R	IG NO			
B. N. Yro				Bereite	ر)				ᆀ_	1.			
ADDRESS		Ā	DDRES	S					s	PUD Ö	ATE		
DEPORT FOR MR		_	EPORT	FOR MR.						CTION	TOWNS	HIP P	A NOTE
REPORT FOR MR.		8		ғон мн. <u>/[, /, </u>					11	375	TOWNS:	, .	P/
WELL NAME AND NO.		FIELD	OR BL	OCK NO.	COUNTY		·	STA				<u></u>	<u></u>
3-8 MANA					62				<u> </u>				
OPERATION CASING		М	JD VOL	UME (BBL)		CIR	CULA	TION D	ATA				
PRESENT ACTIVITY SURFACE		HOLE		PITS	PUMP SIZE	х	IN.				EL. (F)	Γ./ Μ ΙΙ	
BIT SIZE (IN.) NO. / INTERMEDIA				JEATING	PUMP MAKE		<u> 17</u>			E DP_		/	
	FT.	VOLU			MODEL 2	د ود معمد	4	OPF	POSIT	E COL	LAR_	·jun'	<u> </u>
DRILL PIPE SIZE TYPE PRODUCTION OF		IN ST	ORAGE		BBL/STROKE	STR	OKE/M	INCIE	CUL	ATING		95	0
1/2 X M IN. at	FT.				137		56	1		RE PSI	MIN.)		
DRILL COLLAR LENGTH MUD					BBL./MJN.			SYS	STEM			<u> </u>	,
	2 / Y					- Jar				(MIN.)			
Sample from ☐ Flowline ☐ Pit Flowline Temp /ture	MUD	PROPE	RTIES	DAILY COST		ماد ملحق الديا محدد	CUN	MULAT			17	_	
	5-1.10		T	1	2120					' <u>.2 .≺</u>			
Time Sample Taken (AM) PM	7.70		 	WEIGHT	MUD PRO		ES SPI		FILTE				
Depth (ft)	12			WEIGHT	!	مورد والمدار	4	10		J.			
Weight (ppg) (lb/cu ft)	9.0		ļ	BY AUTHORI	TY OPERATO							ACT	OR
Mud Gradient (psi/ft)	11/18	_	ļ	-							HEN		
Funnel Viscosity (sec/qt) API atOF	329		 	1 20	MATER						,		
Plastic Viscosity cp atoF	 /-			100	0 J.	,	1.50		, ,		,		
Yield Point (lb/100 sq ft)	1/		ļ	↓ 20 2 2.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	200		1	٠,	والمتحمل	P.		
Gel Strength (lb/100 sq ft) 10 sec/10 min	//	/	'	1									
pH ☑·Śtrip ☐ Meter	7/			1	1 100 1		, L		٠.	1			
Filtrate API (ml/30 min)	11/0		↓							. /			
Cake Thickness 32nd in API / HP-HT	5		 	10-2	7	1	1						
Alkalinity, Mud (P _m)	 /-	<u> </u>			_{таран} қыла өт таранда (Рузун Адуатаранда 1841 Мескедууг)								
Alkalinity, Filtrate (P _f /M _f)	1	/	/	1000	Jan. 1. 14	. با مرتبی		/					
Salt gpg Chloride gpg	1900		1		konten p 110 de j	. 1.	ا معر مرق	1	100				
Calcium ppm Gyp (ppb)	12.20			↓	to the second	Jan Je		••	-				
Sand Content (% by Vol)			ļ	11/11/11	11/2/11/21	,							
Solids Content (% by Vol)	20			1/2	go do p		1	1//			1		
Oil Content (% by Vol)			1	1 / .	10 37 10								
Water Content (% by Vol)	160		ļ	W. 2. 13				1//	John .	> "	4.5		
L.C.M. #/bbl	110			HI	,		الممو	100			, ,	1	
Preservative #/bbl				1 / / / ,	grant Comment								
				1 / 1	1 100			1	p.exc.	1 1 1	•	,	
AND ON HAND HOED	ID (LICED	···					,	1.7			æ	1	į
MUD ON HAND/USED MUD ON HAN ///////////////////////////////////	Drillpa	c			1.11		Go. v.	12	,	17		£	
Soda Ash	C/SH						10	;		مسمو	1		
Caustic Soda	Multi S				(,	
SuperLig	Cedar				*	The same	- - / ·	er pr		•		-	
Lime	Cello F	Take		ii		- ,	4	M. lar/1963-196-197	ويست معمون ومسور				
	\dashv												
				<u> </u>									
THE RECOMMENDATIONS MADE HEREON SHAL	L NOT BE C	CONSTRU	JED AS A	UTHORIZING THE	INFRINGEMENT (OF ANY	VALID	PATEN	T, ANI) ARE I	MADE V	NITH-	

OUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE TO SHARE	HOME ADDRESS	Caldy of	TELEPHONE
MOBILE UNIT	WAREHOUSE LOCATION	per your of	TELEPHONE

DRI	LLING	AUD F	EPOF	T F	EPO	RY	1		
DATE.		77	20 ∠	DEP	TH		1./	7)	
ν.	API	ST	ATE C	OUNT	,				
· · · · · · · · · · · · · · · · · · ·	NO.								\top

					Y 141-1 4					
100 S. Main, Suite 405 / Wichita, K	S 67,202 /	316-26	64-2814	·	WELL NO.					
OPERATOR		7	CONTRA	CTOR				RIG N	0.	
Berexco		_		18. cm. A.				1		
ADDRESS			ADDRES	s'				SPUD	DATE	
REPORT FOR MR.		_		508.445				1-5		<u></u>
THE OTHER STREET				FOR MR.				SECTIO		SHIP, RAN
WELL NAME AND NO.		FIELD		OCK NO.	COUNTY		STAT	E	<u> </u>	9 30
- 2. F. O Killy					0	1		and a		
OPERATION CASING		M	UD VOL	UME (BBL)		CIRCULA	TION DA	TA		
PRESENT ACTIVITY SURFAC	, ,	HOLI		PITS	PUMP SIZE	X IN.	ANN	ULAR		T./MIN.)
BIT SIZE (IN.) / NO. INTERMEDI		TOTA		4/2/2		1:1	OPPO	SITE DP	·——	<u> </u>
" "// " " " " " " " " "		VOLU		JLATING	PUMP MAKE		ОРРО	SITECO	LLAR	24
DRILL PIPE SIZE TYPE PRODUCTION O	FT. R LINER	INST	ORAGE		MODEL / BBL/STROKE	STROKE/M	IIN CIRCI	II ATIN	6	
1/2 1/4 IN. at	FT.			,			PRES	SURE P	SI	<u> </u>
DRUL COLLAD LENGTH		<u> </u>			BBL./MIN.		BOTT		(MIN.) <u>ತನ</u>
SIZE 1.1/1 1/98 TYPE //-	و المتم عمر ما الانواط				٠, ٠,	1 ,7	TOTA	L (MIN	.)	<u> </u>
Sample from [Slowline Pit		PROPE	RTIES	DAILY COST		49 CUN	JULATIV	E COST	2,	<u></u>
Flowline Temp sture %F	<u> </u>	···			201	7//	<u> </u>	194	<u>()</u>	
Time Sample Taken (AM)PM	7.15				MUD PRO	PERTIES SPE	CIFICAT	IONS		
Depth (ft)	3660			WEIGHT	VISCO	OSITY	FIL	TRATE		
Weight ☑ (ppg) ☐ (lb/cu ft)	92				COPERATO	R'S WRITTE		LLING		BACTOR
Mud Gradient (psi/ft)	1183			BY AUTHORI	OPERATO	R'S REPRES	ENTATI	VE [] 01	HER	
Funnel Viscosity (sec/qt) API at	F/				MATER	IALS RECO	MMEND	ED		
Plastic Viscosity cp at	16			150	Bo do	and April Co	0 F			
Yield Point (lb/100 sq ft)	19			1						
Gel Strength (lb/100 sq ft) 10 sec/10 min	12/27	1	1	1			٠	8 1 C		
pH Strip	9.5			1		1/2 /	11 222	de		
Filtrate API (ml/30 min)	8.5		1			1.0	po salar sa	. ".		
Cake Thickness 32nd in API D-HP-HT D	1		1	1 1						
Alkalinity, Mud (P _m)	1 1			6/12	75 5	0 501	106			
Alkalinity, Filtrate (P _f /M _f)	7		1			•				
Salt ppm Chloride ppm gpg	2.200	····	<u> </u>		,	10	· 2	Half Barry	0.00	400
Calcium ppm Gyp (ppb)	10			6. 1	and the second	(3	مان کارگر استان مان کارگر استان	10		
Sand Content (% by Vol)			 	160 / 1	100h 3	1/	130	es 5 pt 1		
Solids Content (% by Vol)	17/2		 	911	الا الرابعيو		•	··· _•· / /	i	
Dil Content (% by Vol)	16.4				A. C. C.	12	$^{\circ}$ $F\gamma$	12000	66	
Nater Content (% by Vol)	22.2			المتمعر وتهرير الحريا	1 1/2 1/1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	1 %	1	11	10	C
C.M. #/bbl	973				11/1/1/1/1/1	1 3	- ,	~	· .	
Preservative #/bbl	Tieffe					· Elm	1 1		1 1	
TOOLIVE WIDDI										
			İ	27		, ,	,	. 6	. ,	F 1
MUD ON HAND/USED MUD ON HAR	ND/USED			Carp	1 120 14	t er e		. ,	,	
71/ 11/ Premium Gel 3 /	Drillpac			1 24	programa (n. 1846) Programa (n. 1846) Programa (n. 1888)	- 22 38	16	John Committee of the C	1	
15 5 Soda Ash 74 0C	C/SHull	s						, P	•	
Caustic Soda	Multi Se		}		and the second			1		
Super Lig Lime	Cedar F						1			
	Cello Fla	ike		100 17	42 42	1.1.1.1	•			
	7						4			
				50 4	1 1 No. 2	2736				
					7 (1,000	8			

REPRESENTATIVE	It Delin	HOME ADDRESS	Buch de	TELEPHONE
MOBILE UNIT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WAREHOUSE LOCATION	12 1 1 1 1	TELEPHONE

100 S. Main, Suite 405 / Wichita, KS 67202 / 316-264-2814

CASING

SURFACE

INTERMEDIATE

PRODUCTION OR LINER

27

IN. at

IN. at

IN. at

PM

MUD

TYPE

AM

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MUD PROPERTIES

FT

FT

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22

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11

2200

80

740

OPERATOR

ADDRESS

REPORT FOR MR.

WELL NAME AND NO.

PRESENT ACTIVITY

DRILL PIPE SIZE TYPE

DRILL COLLAR

Time Sample Taken

Mud Gradient (psi/ft)

Plastic Viscosity cp at.

Alkalinity, Mud (Pm) Alkalinity, Filtrate (Pf/Mf)

Salt ppm gpg

Sand Content

L.C.M. #/bbl Preservative #/bbl

Filtrate API (ml/30 min)

Calcium ppm Gyp (ppb)

Solids Content (% by Vol) Oil Content (% by Vol) Water Content (% by Vol)

Yield Point (lb/100 sq ft)

Weight (ppg) (lb/cu ft)

Funnel Viscosity (sec/qt) API at .

Gel Strength (lb/100 sq ft) 10 sec/10 min

Cake Thickness 32nd in API THP-HT

(% by Vol)

Chloride ppm gpg

Depth (ft)

SIZE

OPERATION

6000X00

LENGTH

Sample from Clowline Flowline Temp (ture

		DRILLING MU	D REPORT		PORT		
		DATE 5	₹ 20 <u>/</u>	NO		790	===
	2.	API	STATE CO				
316-264-281	4	WELL NO.	STATECO			T	TT
CONTR	ACTOR				RIG NO.		
1 250	- 10 de 3				SPUD D		
ADDRES	55				ــ اا		,
REPORT	FOR MR.				SECTION.	TOWNSH	IP. RANGE
	1,50				50	11	370
FIELD OR BL	OCK NO.	COUNTY		STATI	E /		
		1 <u>0000</u>		1 / 7.	<u> </u>		
HOLE	LUME (BBL)	<u> </u>	CIRCULATI		LAR VE	· . /ET	/MINI)
2011	11/11	TOMP SIZE X	- 'N.	OPPOS	SITE DP-	. L. (F1,	222
TOTAL CIRC	1 🖋	PUMP MAKE			SITE COL		-
VOLUME	68/	MODEL	1-10			···	
IN STORAGE		ii .	TROKE/MI	PRESS	JLATING SURE PSI		0-2
		BBL./MIN.			OMS UP (MIN.)_	37
		BBC./WIN.		SYSTE	EM L (MIN.)		927-
ROPERTIES	DAILY COST						
	_	-0-			19	10	~/ B
		MUD PROPE	RTIES SPEC	IFICAT			
	WEIGHT	VISCOS	I Ţ Ÿ	FIL	TRATE		
	<u> </u>	COPERATOR	S-SO	. /₄	DUNG C	ONTRA	CTOR
	BY AUTHOR	OPERATOR					
		MATERIA	LS RECON	MENDI	ED		
	7						
		13 5	19 50		X		
1 1	7 0/3			18	O		
			المراجع		61 -	2 H	1
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1 1	1 //3	110 2	1	- 11	للمعمر والراء المايج	-	
	1						
			6	- 10	11/2	, .	
	1	•	· · · · · · · · · · · · · · · · · · ·	61	for	فسيدموم أرا	5
	-			رزم سر		11	
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	╢ . ′	11/19 11/19	عصور الراح	/	2/ /	. ,	
	 	e exp and the		ر سعر	ee is e		
	4				1		
	1 -	(aa) :::	<i>;</i> -	1.	P.		

NUD ON HA	<u>IND</u> /USED	MUD ON HA	AND/USED
79	Premium Gel Soda Ash	74	Drillpac C/S Hulls
70	Caustic Soda Super Lig		Multi Seal Cedar Fiber
/	Lime		Cello Flake

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITH-OUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE	15 Jul Delin	HOME ADDRESS	Cally de	TELEPHONE
MOBILE UNIT	780 164 27W	WAREHOUSE LOCATION	January January	TELEPHONE
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10000 | SB0000 | MU | Mc. | 316-264-2814

12/NT	LLING	IVIC	JU REP	ואכ	NO.		7				
DATE_			2 2	0	EPTH	1		T/	'X')	
	API WELL	-	STATE	cou	NTY						
	WELL		1		1 1			1		l	

100 S. Main, Suite	e 405 / Wichita, KS	67202 /	316-264	-2814		WELL NO.	- [TT			
OPERATOR			- 11		CTOR					ار ``	RIG NO).	- 1
Berexe	* C}			13 %	s colon						10		
ADDRESS			AD	DRES	S		· - ···-····				SPUD D		
											<u> </u>		<i> </i>
REPORT FOR MR.	,		HEF		FOR MR.						SECTION	, TOWN:	SHIP, RANC
WELL NAME AND NO.			FIELDO		OCK NO	COUNTY			s	TATE			<u> </u>
2. 15 1	Charle									13.	بر کر	· /5 S	
OPERATION	CASING		MUE	VOL	UME (BBL)		CII	RCUL	ATION	DAT	A		
PRESENT ACTIVITY	SURFACE	/	HOLE		PITS	PUMP SIZE	×	IN.				EL. (F	T./MIN.)
BIT SIZE (IN.) NO.	IN. at INTERMEDIA				JATING	PUMP MAK	· · · · · · · · · · · · · · · · · · ·	-19		-	ITE DP-		789
/ /9	IN. at	, c FT.	I VOLUM		161	MODEL	1.10		C	PPOS	ITE CO	LLAR.	<u> </u>
DRILL PIPE SIZE TYPE	PRODUCTION OR		IN STOP	RAGE		BBL/STRO	KE STF	OKE/					
1/2 ×11	IN, at	FT.					- 1/	مرسور	/		URE PS		
DRILL COLLAR LENGTH	MUD		/			BBL./MIN.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		S	YSTE	M) <u> </u>
	4	122100					× 15 1				_ (MIN.)		<u> 20 -</u>
Sample from ☐,510v Flowline Témp /ture		MUD	PROPERT	TIES	DAILY COST	41		CL	MULA	ATIVE	COST	26	
Time Sample Taken	AM: PM	سر دو ج			1		ROPERT	155.51	PECIE	77	<u> 7</u>		
Depth (ft)	- CANAL CANAL CONTRACTOR OF THE CONTRACTOR OF TH	8775			WEIGHT		SCOSITY		PECIF		TRATE		
Weight (ppg) (lb/cu ft)		7900 93		•	2.7.5	? <i>!/</i>	118 -	50		1 8	7-11		
Mud Gradient (psi/ft)		1183			BY AUTHORI	TY OPER	ATOR'S I	WRITT REPRE	SENT	DRIL	LING C	ONTF	RACTOR
Funnel Viscosity (sec/qt) API a	or or	411	 -		 		TERIALS						
Plastic Viscosity cp at	°F	102			Reise							50	
Yield Point (lb/100 sq ft)		14			1			•	· •	_	J 6.3	د عامرہ م دور سام	14
Gel Strength (lb/100 sq ft) 10	sec/10 min	8116	,	1	ر سو	, ,	,	6/1	11	<i>y</i>	•	/	140
pH Strip	300,70 11111	T		<u> </u>	107	1. 1. 1. 1. 1. 1.	·		7-	.44	for		
Filtrate API (ml/30 min)		9.0			Show		.75	seer ist	r 179	3			
Cake Thickness 32nd in API	THP-HT□	7.0			1			; _(*)					
Alkalinity, Mud (Pm)		/			1		1/2	/	در از کاری د	och 1-pe			
Alkalinity, Filtrate (Pf/Mf)		1	,	1	1		11.			.			
Salt ppm Chloride	opm	*					13	T.		Ar Paris	₹.	,	
Calcium ppm Gyp (ppb)	gpg .	24/00			 		z f	م بروهم	ker.	9.	د از دروری مست	h j	90 F
Sand Content (% by Vol)		80			//						-	-	
Solids Content (% by Vol)		10			Coppo	1 mac	1 - m	Jest .		5	1 1		
Oil Content (% by Vol)		18		•		west						-	
Water Content (% by Vol)		93,2				مار دوره مهر دوروه				 			
L.C.M. #/bbl					11								
Preservative #/bbl		TPB	(/-		2.00	g		n eng	,	1			
					1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<i>'</i>			•				
MUD ON HAND/USED	MUD ON HAND	USED											
Premium Gel	3	Drillpad											
Soda Ash Caustic Soda	70 4	∫ C/S Hu Multi S											
Super Lig		Cedar											
Lime		Cello F											
]			}								
		_											
		_											
711P DP00141													
THE RECOMMENDATIONS OUT ASSUMPTION OF AN	S MADE HEREON SHALL NY LIABILITY BY MUD-C	NOT BE C O / SERVI	ONSTRUED ICE MUD. IN	AS AU	JTHORIZING THE RITS AGENTS, A	INFRINGEME	NT OF AN'	Y VALID	PATE	NT, AN	ID ARE N	IADE V	NITH-

REPRESENTATIVE	27-2 All 11 15	HOME ADDRESS	for the second	TELEPHONE
MOBILE UNIT	180 1811 2811	WAREHOUSE LOCATION	Day At	TELEPHONE
A SECURITY OF SECURITY OF	motion and the straight commence of the standard will be	Law of the Law of the March of the State of the Law of	and the state of the state of the state of	The second secon

REPRESENTATIVE

MOBILE UNIT

DRILLING MUD REPORT NO. 7

DATE 5-10-20 DEPTH 3992

API STATE COUNTY
WELL

TELEPHONE

100 S. Main, Suite 405 / Wichita, N	3 6/202 /	310-20	04-2014		NO.			1		1		-	ł
OPERATOR		1	CONTRA	CTOR						RIG NO			
ADDRESS		_	ADDRES	1300 de						10			
ADDHESS			ADDRES	5						SPUD D)ATE		
REPORT FOR MR.		;	REPORT	FOR MR.						SECTION.	TOWN	SHIP B	ZANG
WELL NAME AND NO.				1.1.00	,					30		2	
WELL NAME AND NO.		FIELD	ORBL	OCK NO.	1			s	TATE				
5.13 Cobo by		<u> </u>			60	٠, ح			190	1250	<u>*</u>		
OPERATION CASING				UME (BBL)				NOITA					
PRESENT ACTIVITY SURFACE IN. at NO. TERMEDIA	E ファイ _{ET}	HOLE	E <i>00</i>		PUMP SIZE	X	IN. _//	/ /		ILAR VI	EL. (F	T./MI ノギュラ	N.)
BIT SIZE (IN.) NO. INTERMED	ATE	איטון	L CIRCL	JLATING	PUMP MAKI								
7/3 of IN. at	FT.	VOLU		700	MODEL	Tolor.	<i>i</i> .	- 1		ITE COL			
DRILL PIPE SIZE TYPE PRODUCTION C	RLINER	IN ST	ORAGE		BBL/STROK	CE ST	ROKE/	MINCI	RCUI	LATING	ة ا		
DRILL COLLAR LENGTH MID	FT.					<i>y</i>	م مستور <u></u>	.,		MS UP (ر ر ر	9.
SIZE LIL LENGTH MUD TYPE Charles	nect				BBL./MIN	- /	سيز		STE	M (MIN.)		91	-~
Sample from Souther Pit		PROPE	RTIES	DAILY COST	<u> </u>	<u>/ ^. /</u>	Icu					27	=
Flowline Témp / ture			-	J[85		2		مر	COST アペン	3 /2		
Time Sample Taken (AM) PM	9:45				MUDPE	ROPERT	TIES SE	PECIFIC					
Depth (ft)	2990			WEIGHT	o // VIS	COSITY	y ,			RATE			
Weight 🖫 (ppg) 🔲 (lb/cu ft)	2.3				②	TOR'S	Ç WRITT	EN 🗆	DRIL		ONTF	ACT	O R
Mud Gradient (psi/ft)	1483			BY AUTHORIT	OPERA	TOR'S	REPRE	SENT	ATIVI	E OTI	HER		
Funnel Viscosity (sec/qt) API at	°F 4/5				MAT	ERIALS	REC	OMME	NDE	D			
Plastic Viscosity cp at	13			1/	211			1	1				
Yield Point (Ib/100 sq ft)	176			27.3	116-		٠.		E .				
Gel Strength (Ib/100 sq ft) 10 sec/10 min	10/22	/	/			100	111	64.75	1.	. ~			
pH ☐Śtrip ☐ Meter	20				<i>!</i>	2		A COLOR					
Filtrate API (ml/30 min)	96			1911	1			A.		•			
Cake Thickness 32nd in API HP-HT	1/			1		e de la companya de l	,	2 / / <u>(</u> ,					
Alkalinity, Mud (P _m)				 	,	k U-	191	3000					
Alkalinity, Filtrate (P _f /M _f)	15		1		أر	15 -	300	1- ,	· C				
Salt gpg Chloride ppm	27/2		<u> </u>			عرمجملوز	Z, -	£ 4.,		1			
Calcium Defm D Gyp (ppb)	80		ļ	ļ									
Sand Content (% by Vol)	P(2)			C. 10	1 1	1	. 1	\mathcal{S}^{γ}		، ر. و	مبيا		
Solids Content (% by Vol)	67		<u> </u>										
Oil Content (% by Vol)			ļ	Park de de pet	ويمكن والمعين		11	ومحر يحسو	£ :	1			
Water Content (% by Vol)	9:3												
C.M. #/bbl	701	<u> </u>	ļ	. ,			a.	1					
Preservative #/bbl				1500	27.2	. 9	1.7	,					
MUD ON HAND/USED MUD ON HA	ND/USED												
42 33 Premium Gel 2 /	Drillpac												
// ? Soda Ash	C/S Hul												
Caustic Soda	Multi Se												
Super Lig Lime	Cedar F												
Lime	Cello Fla	ake											
				<u> </u>									
THE RECOMMENDATIONS MADE HEREON SHALL	L NOT BE CO	ONSTRU	ED AS AL	THORIZING THE I	NFRINGEMEN	T OF ANY	Y VALID	PATEN	IT, AN	D ARE M	ADE W	/ITH-	
OUT ASSUMPTION OF ANY LIABILITY BY MUD	-CO / SERVIC	CE MUD,	, INC. OR	ITS AGENTS, AN	ID ARE STATE	MENTS	OF OP	NION O	NLY.				

HOME ADDRESS

WAREHOUSE LOCATION

Moin Suite 405 / Wichita, KS 67202 / 316-264-2814

REPRESENTATIVE

MOBILE UNIT

DH	ILLING	IUD I	REPO	JRI		NO		حبر	•		
DATE	5-7	' /	2	0:2	DE	EPTH	1	4/:,	19	1,	
	API	ST	ATE	co	UN	TY					
	WELL NO.										

TELEPHONE

100 S. Main, Suite	405 / Wichita, KS	6/202 /	316-26	54-2814		NO.					1 1	li		
OPERATOR				ONTRA	CTOR					F	RIG NO	ı.		
Buckeye	• 1				Paradi.					_ -	SPUD D)		
ADDRESS				DDRES						7	SPÚD D	ATE		
										_ .	, plane	Ţ.	,	
REPORT FOR MR.			8		FOR MR.					s	SECTION.			
WELL NAME AND NO.			[]	ORBL	OCK NO.	COUNTY			STA	TE	<u> </u>			2
	7 /					1				Aura	'			
OPERATION	CASING]	110.1/01	UME (BBL)	1.0	CLD	CULATI	0N D	<u>/ ></u>				
PRESENT ACTIVITY	SURFACE		HOLE			PUMPSIZE	X	IN.			LAR VI	ÉL. (F	T./MI	N.)
057	9 / IN. at	,/ FT.	11	17	400			11/	OPP	osi	TE DP_		150	ننوس
BIT SIZE (IN.) NO.	INTERMEDIA	ATE	TOTA	LCIRCL	LATING	PUMP MAKE		1	ОРР	osi.	TE COL	LLAR.		22
72 72	IN. at	FT.	VOLU		617	MODEL /	STD.		1					
DAILL PIPE SIZE TYPE	PRODUCTION OF		10,511	ORAGE		BBL/STHOKE	SING	OKE/MII	PRE	SSU	IRE PSI	l		
DRILL COLLAR LENGTH	IN. at	FT.][BBL./MIN		5/	вот	TO	MS UP ((MIN.)		شپائر
SIZE 2 1/1 1/98	MUD TYPE	22 101				BBC./Wity.	19		SYS	TEN	(MIN.)		ر سد معموران در در د	200
Sample from Som		J MUD	PROPE	RTIES	DAILY COST	<u> </u>	. C. : C	CUMI			COST	A	,	
Flowline Témp /ture	op:					401	32/				29	مرسيخير		
Time Sample Taken	(AM) PM	830				MUDPRO	PERTI	ES SPEC						
Depth (ft)		1180			WEIGHT ,	VISC	OSITY		F	ILT	RATE			
Weight ☐ (ppg) ☐ (lb/cu ft)		91		 	9.1/	OPERAT	<u> </u>	50			//1			
Mud Gradient (psi/ft)		1		-	BY AUTHORI	TY OPERAT							ACT	ОН
Funnel Viscosity (sec/qt) API a	• 0	118x		1	#			RECOR						
Plastic Viscosity cp at	°F	1-77		1	#									
Yield Point (lb/100 sq ft)		12			17/00	along.	111	-5	1	6	- 57	11		
		1//	/ ,	+,	∥ ′								1.	
Gel Strength (lb/100 sq ft) 10	sec/10 min	11/24		+-'-	1201	1 4.					6/ 1			
pH □·Śtrip □ Meter		1000						1.	<u> - کرنجه</u>	51	19			
Filtrate API (mI/30 min)	7.60 (7)	180			1 CF 275	11 / 1		1/	1 - 6	S'G	معمر أبديامك	1, 8		
Cake Thickness 32nd in API	3. Hb-H I □	1/_		ļ	1 10		/	1/2	•	,		86° -		
Alkalinity, Mud (P _m)		- X		<u> </u>	J				- /	,	7 /	JA 4		
Alkalinity, Filtrate (P _f /M _f)	un m	B		/				1%		10	111	200	\subset	
Salt gpg Chloride	9pg	3,400		ļ	1			1	. د دمم	1	5.9		10	,
Calcium [],ppm [] Gyp (ppb)		10						~	1	,			-	
Sand Content (% by Vol)		7.2					!	(,				
Solids Content (% by Vol)		7.1						-			Marine State of State	Marine Mary Supplement	Market and Wall	,
Oil Content (% by Vol)									,					
Water Content (% by Vol)		921			6.91	ed sire	photo .		<u> </u>	1	1			
L.C.M. #/bbl		70	166			,		ż	1	7.	1	,		
Preservative #/bbl					1000 100	موسم معمومة بالأراب الأ	er for	. ,,	7 /		100	,		
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MUD ON HAND/USED	MUD ON HAN	_						•						
Premium Gel Soda Ash	(35) 3 -1-	Drillpad			100	1,1	د مميو د مميو	11						
Caustic Soda	12	Multi S				2777		•						
Super Lig		Cedar												
Lime		Cello F												
TIP SPANIAL STATE			ANGE-:											
THE RECOMMENDATIONS											J ARE N	AADE V	vtfH-	

HOME ADDRESS

WAREHOUSE LOCATION

DRILLING MUD REPORT _202 DEPTH API STATE COUNTY WELL 100 S. Main. Suite 405 / Wichita, KS 67202 / 316-264-2814 NO. RIG NO. OPERATOR CONTRACTOR ADDRESS 10 SPUD DATE ADDRESS SECTION, TOWNSHIP, RANGE REPORT FOR MR. REPORT FOR MR. FIELD OR BLOCK NO. STATE COUNTY WELL NAME AND NO. CIRCULATION DATA MUD VOLUME (BBL) OPERATION CASING ANNULAR VEL. (FT./MIN.) PUMP SIZE IN. SURFACE HOLE OPPOSITE DP ... IN. at 2 -FT BIT SIZE (IN.) TOTAL CIRCULATING PUMP MAKE INTERMEDIATE OPPOSITE COLLAR. VOLUME y 1/2 MODEL. FΤ PRODUCTION OR LINER STROKE/MIN CIRCULATING PRESSURE PSI IN STORAGE BBL/STROKE DRILL PIPE SIZE TYPE IN. at FT BOTTOMS UP (MIN.)_ BBL./MIN. DRILL COLLAR LENGTH MUD TOTAL (MIN.) SIZE TYPE. DAILY COST CUMULATIVE COST MUD PROPERTIES Sample from Clowline Flowline Témp /ture MUD PROPERTIES SPECIFICATIONS AM/ PM Time Sample Taken WEIGHT Depth (ft) 12.26 Weight∕☐ (ppg) ☐ (lb/cu ft) 94 OPERATOR'S WRITTEN DRILLING CONTRACTOR BY AUTHORITY OPERATOR'S REPRESENTATIVE OTHER 188 Mud Gradient (psi/ft) MATERIALS RECOMMENDED Funnel Viscosity (sec/qt) API at . 16-50 Plastic Viscosity cp at Yield Point (lb/100 sq ft) 19 1 Gel Strength (lb/100 sq ft) 10 sec/10 min 0 10% pH ☑ Strip ☐ Meter 100 Filtrate API (ml/30 min) Cake Thickness 32nd in API | HP-HT | 1 1/2 1 miles Alkalinity, Mud (Pm)-Alkalinity, Filtrate (P_f/M_f) 21 1 Salt ppm gpg Chloride ppm 1900 Calcium | ppm | Gyp (ppb) 40 of the line of provided now Sand Content (% by Vol) <u>(19</u> Solids Content (% by Vol) Oil Content (% by Vol) Water Content (% by Vol) L.C.M. #/bbl Preservative #/bbl MUD ON HAND/USED MUD ON HAND/USED Premium Gel 118 Drillpac Soda Ash C/S Hulls Caustic Soda Multi Seal

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

Cedar Fiber

Cello Flake

Super Liq

Lime

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