KOLAR Document ID: 1519614

Confider	ntiality Re	quested:
Yes	No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL	HISTORY -	DESCRIPT	NFII &	IFASE
VVELL		DESCRIPT		LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas DH EOR	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West
Recompletion Date Reached TD Recompletion Date of Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II III Approved by: Date:

KOLAR Document ID: 1519614

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample	
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No							
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.			
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD				
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone										
1. Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No (If No, skip question 3) 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip question 3)										
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity	
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:			PRODUCTION INTERVAL:	
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom	
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)		
TUBING RECORD:	Size:	Set At:		Packer At:						

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	ANGELA 1-2
Doc ID	1519614

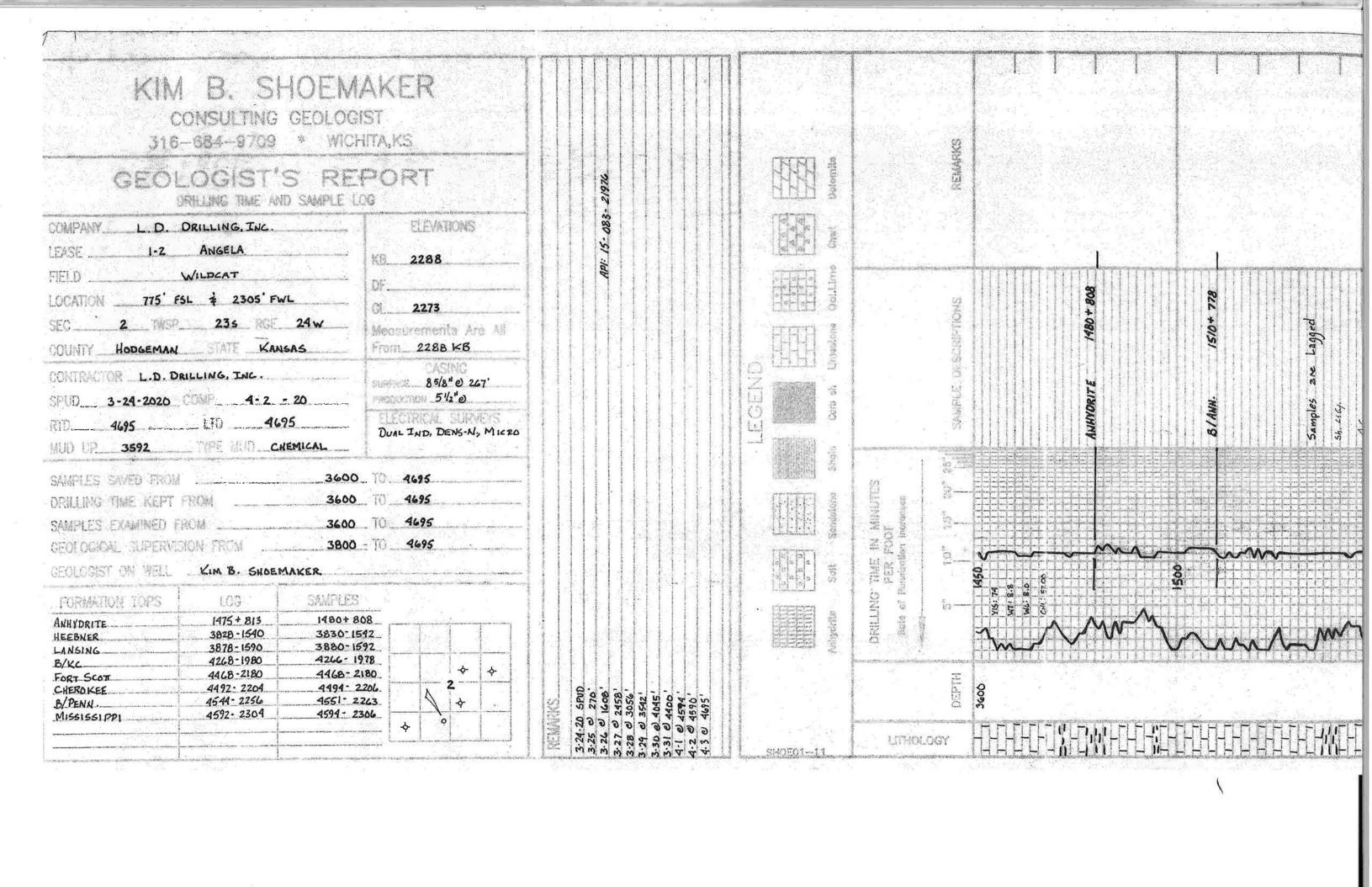
Tops

Name	Тор	Datum
ANHYDRITE	1475	+813
HEEBNER	3828	-1540
LANSING	3878	-1590
BASE KANSAS CITY	4268	-1980
FORT SCOTT	4468	-2180
CHEROKEE	4492	-2204
B/PENN	4544	-2256
MISSISSIPPI	4592	-2304

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	ANGELA 1-2
Doc ID	1519614

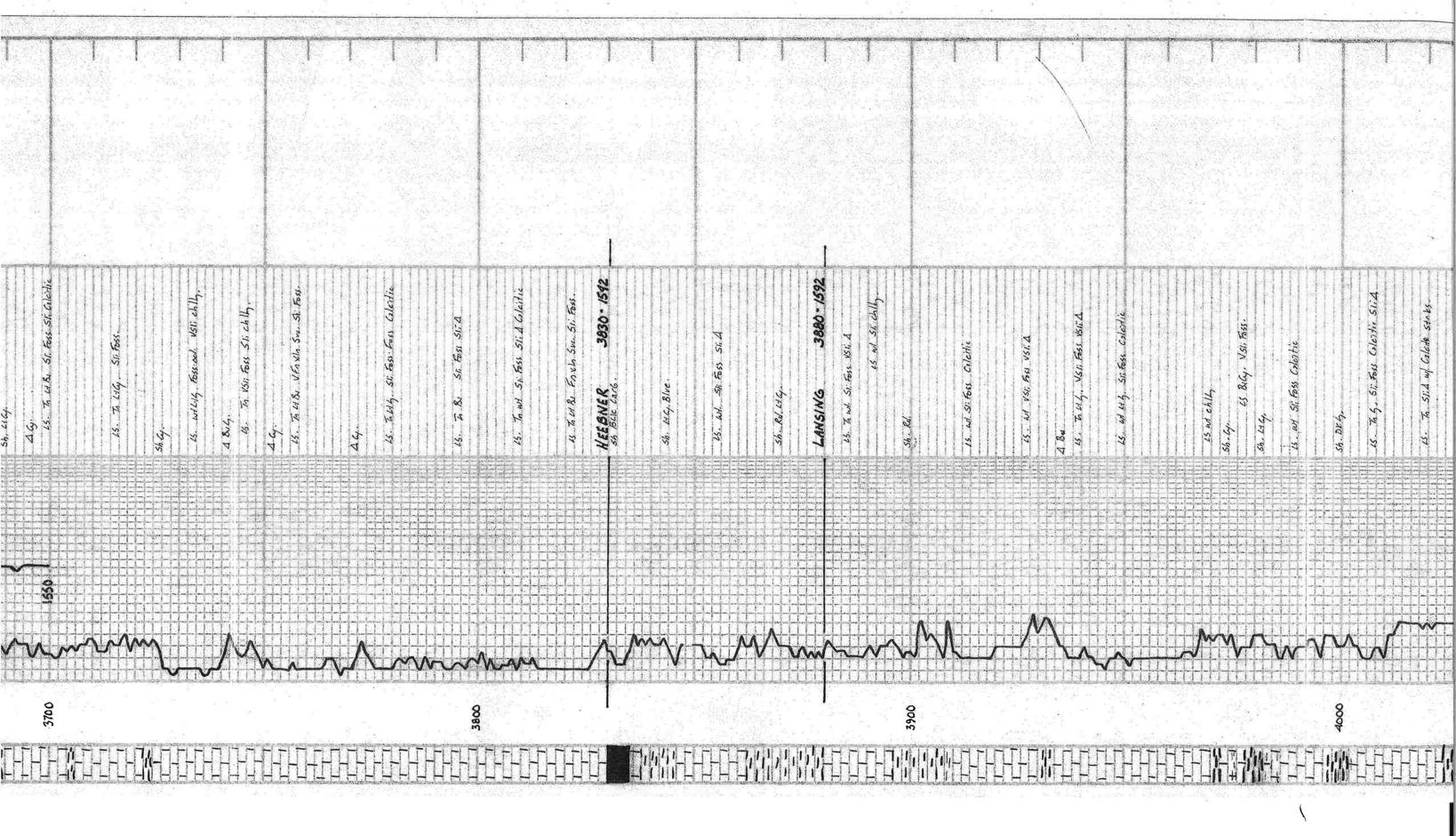
Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	7.875	8.625	23	267	60/40 POZMIX		2% Gel,3% CC
Production	12.25	5.5	15.5	4687	AA-2	180	na

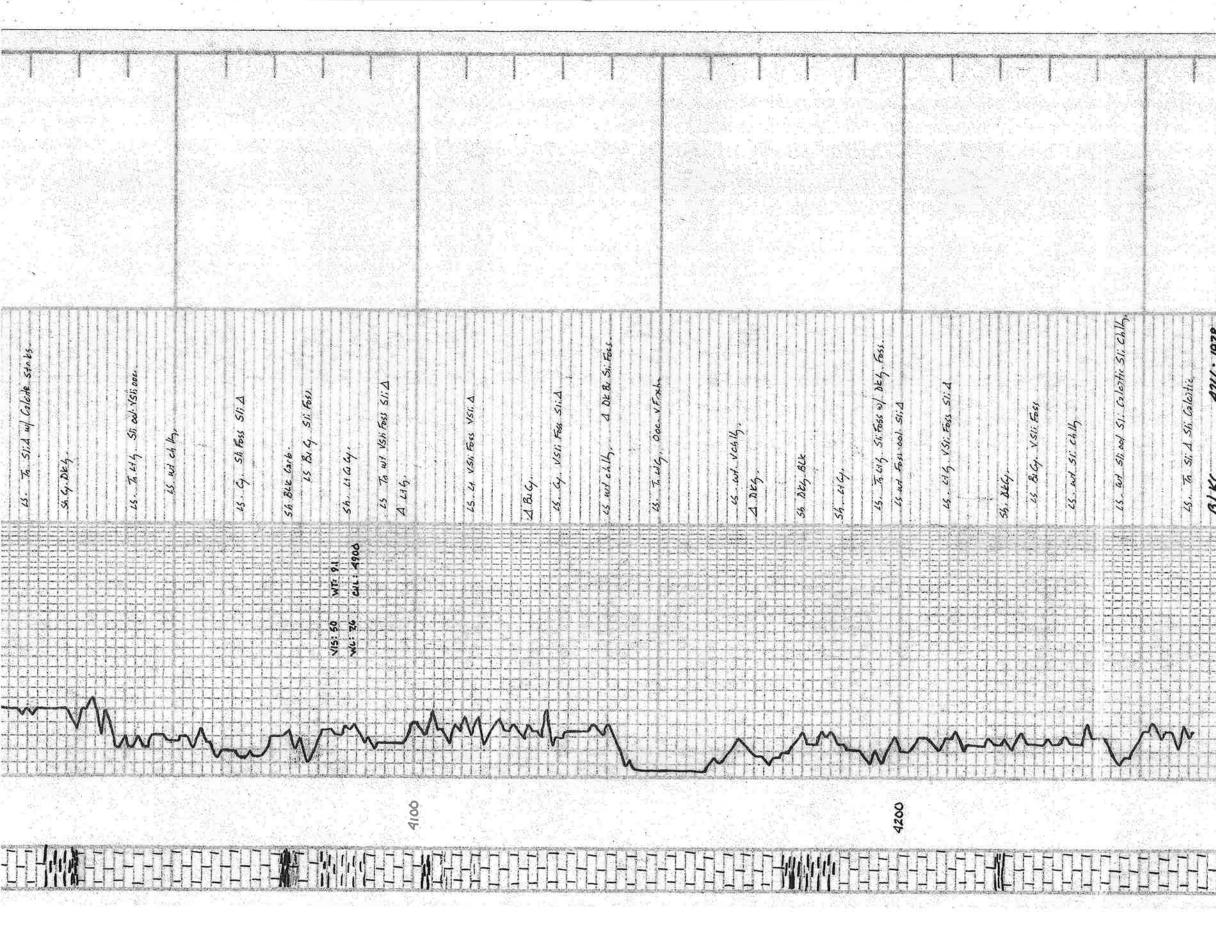


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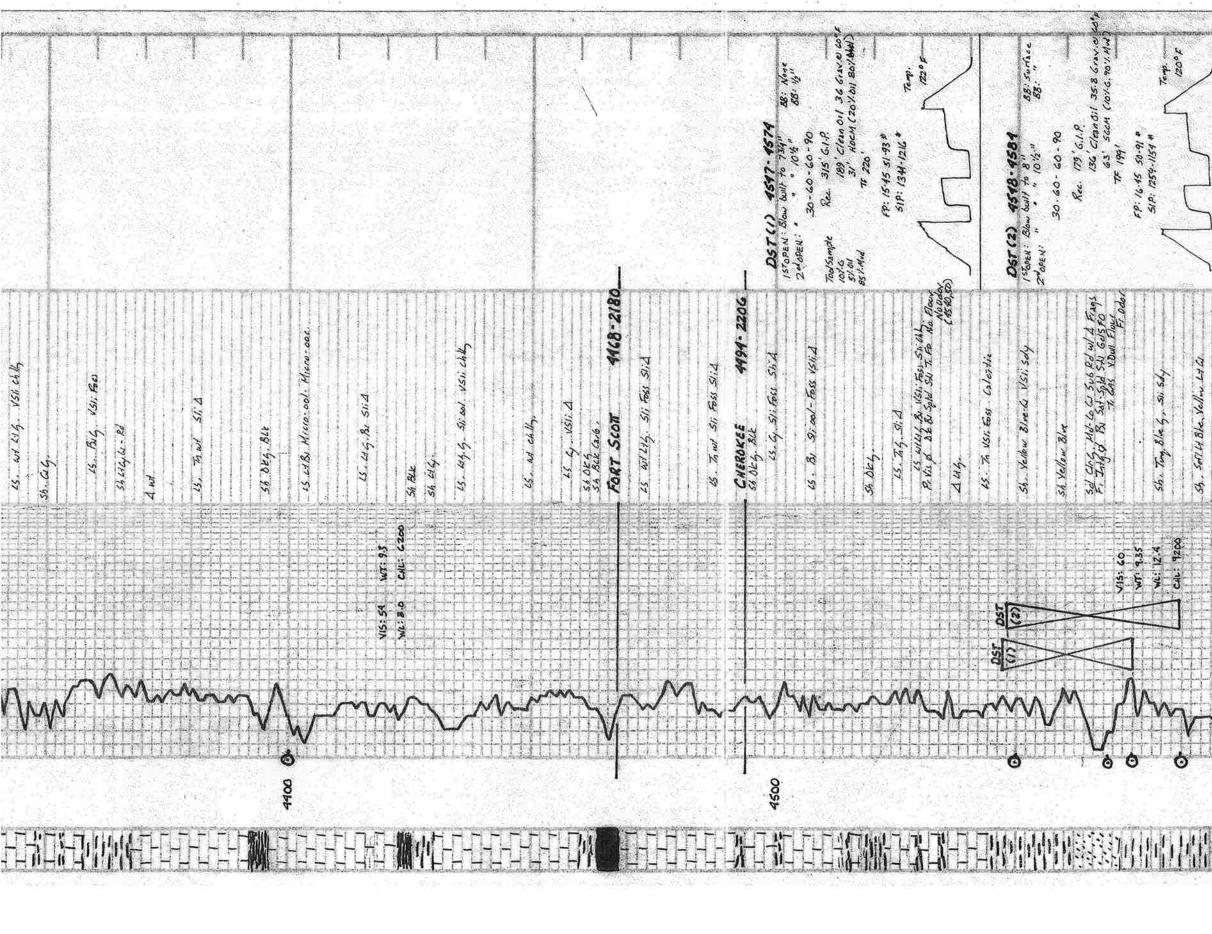
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15. The J. SI. Fass Colortic SIA The Sith up Calette Stats 15. To 11 4. VSU Fes 150 4 45 Bily. VSI. Fas. 15. at Si foss Colortic 15. wh H 4. 515 Fast 25 WA CHIL, 54. 05 4. Sh. L1 64. 56-64 .51 4000

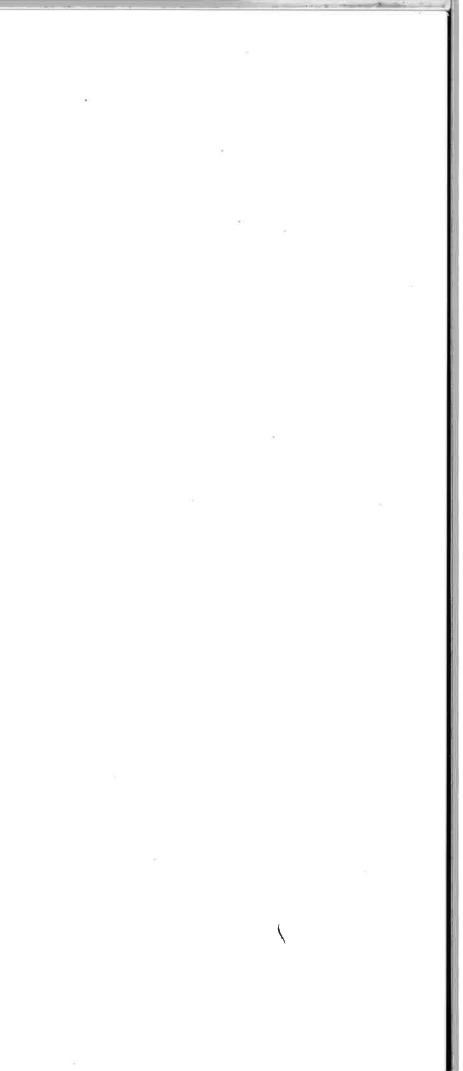


4266 - 1978 4323 - 2035 15. with y. Su Fass VSU Chly, 24 Gy 15. The St Fass VSH Colection 25. 41 21 5. VSh chly Sh. LI Blue Silky - Sdy 15. Th we VSI: 15.5 SIL 45 Bu Slid 15. B.G. Sid MARMATON B1 KC 56.04. milin MMM 4300



Dol. w1 41 4. VFr26, Si Fass Sve Unggy Dol w VEANS Suc. Si Fast Way 4594 . 2306. uf Ti Clave Dol. wit 4 4, Frish Glaussidie Dole withy Frich To blave 201. G. Enth Dal Frah cit. Sh. Yelle Red Alecon M1551551 PP1 wt: 9.2 CHL: 9400 VIS: 56 1600 ALL A 15 N

	- <u>75 </u>	Yellin Rd. Hator	Second and the second second
	100-11-11-11-11-11-11-11-11-11-11-11-11-	Dolwd. V Faxth Suc. Si Fass "Voyay,"	132-142
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	Dol.	Dd. with 1, Ersh Clausedie	T
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		MISS. 0546E 9682 - 2399	Ι
	RTD 4695-2407 4	2 with, fas.	T
K I Ea Litholog	10" 15" 20" 25" TIME MINUTES/FOOT	SAMPLE DESCRIPTIONS	
	Adde of Parekraiton Increases		
4	D. DRILLING. THE	ELEVATION: 2288 KB	
LOUNTED .	TISFU & 2305 FWL SUC 2 TWP 23. ROE	24 W	
NNNCO	HODGEMAN STATE KANSAS	1	
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250 N. Water St., Suite #200 Wichita, KS 67202



1				HUKKICAN	NE SERVICES IN	C				
Customer	LD DRILLING		Lease & Well #	ANGELA 1-2				Date		4/14/2020
Service District	MEDICINE LODGE	KS	HODGEMAN KS	HODGEMAN H	(S Legals S/T/R	2-235	5-24W	Job #		
Јоћ Туре	PORT COLLAR	PROD	¤ INJ	¤ SWD	New Well?	a YES	□ No	Ticket #		I CT3489
Equipment #	Driver			Job Safety	Analysis - A Discus	sion of Hazards	s & Safety P	rocedures		
912	MATTAL	Hard hat		Gloves		Lockout/Tag	out	Warning Sign	s & Flagging	
266	MCGRAW	H2S Monitor		@ Éye Protectio		Required Per	mits	P Fall Protection	n	
182/256	MCGRAW	Safety Footwea		Respiratory P		Slip/Trip/Fall	Hazards	ា Specific Job S	equence/Exp	ectations
		FRC/Protective	-		emical/Acid PPE	Overhead Ha		D Muster Point/	Medical Loca	ations
		Hearing Protect	lion	Fire Extinguis			oncerns or is	sues noted below		
					Cor	nments				_
Product/ Service Code			4.4							
P025	H-Con	Desc	ription		Unit of Measure		r	T		Net Amou
	Calcium Chloride				sack Ib	175.00				\$2,940
	Cello-flake				lb	494.00	-		+	\$296
					10	44,00		-	-	\$61
015	Light Equipment Mile	eage			ការី	100.00				\$160
010	Heavy Equipment M	leage			mī	100.00				\$320
020	Ton Mileage				tm	823.00				\$987
					_					
011	Cement Pump Servic				_					
	Cement Fullip Servic	.0			ea	1.00				\$880
					-				<u> </u>	
										_
Custom	er Section: On the t	following scale ho	www.aud.you rate h	futocane Sa <u>turo</u>	es Inc. 7					
						Total Taxable	\$ -	Tax Rate:	Net:	\$5,645.
	ed on this job, how		ould recommend	HSI to a colleag		Stale tax laws dee	m certain proc to be sales ta the customer to make a det	lucts and services x exempt. Hurricane provided well ermination if	Sale Tax:	\$ -
DNG: Cash la aduate						HSI Represe			Total:	\$ 5,645.

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 2% per month or the maximum allowable by applicable state or federal laws. In the avent it is necessary to employ an agency and/or altorney to affect the collection. Customer hereby agrees to pay all lees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts due are good for 30 days from the date of invoice. Past date of issue. Pricing does not include federal, state, or local taxes, or royallies and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days not payment terms or cash. <u>DISCLAMMER NOTICE</u>: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewisa, the customer or guarantees for port operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated alcove, and Hurricane has been provided accurate well information in determining taxable services.

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPO	DRT

'n.

		LD DRII			Well:	ANGELA 1-2	Ticket:	I CT3489		
		JETMO			County:	HODGEMAN KS	Date:	4/14/2020		
Field	d Rep:	RICK P	DPP		S-T-R:	2-23S-24W Service: PORT COLLAR				
Dow	nhole	Informatio	n		Calculated Siur	rry - Lead	Calculated S	Slurry - Tail		
Hole	Size:	7 7?8	in		Blend:	A-CON	Blend:			
Hole [Depth:		ft		Weight:	11.6 ppg	Weight:	PPg		
Casing	Size:	5 1/2	in		Water / Sx:	16.8 gal / sx	Water / Sx:	gal / s>		
Casing (ft		Yield:	2.77 ft ³ / sx	Yield:	ft ³ /sx		
Tubing /			in		Annular Bbls / Ft.:	Annular Bbis / Ft.:	bbs / ft			
	Depth;		ft		Depth:	1503 ft	Depth:	ft		
Tool / Pa			~		Annular Volume:	0.0 bbis	Annular Volume:	0 hhis		
Tool D					Excess:		Excess:			
Displace	ment:	5.5	bbls		Total Slurry:	86.0 bbis	Total Slurry:	0.0 bbls		
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks:	175 sx	Total Sacks:	#DIV/01 sx		
8:45 AM			DDLS	BBLS						
9:15 AM		1,000.0	5.0	5.0	ON LOCATION/SAFTEY M					
9:19 AM		.1	0.0	5.0	OPEN TOOL, IMMEDIATE					
9:20 AM	3.0	369.0	86.0	91.0						
9:53 AM	3.0	450.0	5.5	96.5	MIX 175 SKS A-CON, CEMENT TO SURFACE DISPLACEMENT					
9:65 AM		1,000.0		96.5		TEST TO 1000 PSI, HOLDING				
0:14 AM	3.0	300.0	38.0	134.5	REVERSE OUT, WELL CLE					
				05	JOB COMPLETE/THANK Y	OU@I				
				(*)	MIKE MATTAL					
				-	SCOTTY, MIKE & EJ					
				5 6 5						
						-				
			-	2.1						
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	-			····						
				4						
		CREW			UNIT		SUMMARY			
Cemei	nter:	MATTA	ц		912	Average Rate	Average Pressure	Total Fluid		
ump Opera	ator:	MCGR	W		266	3.0 bpm	622 psi	135 bbis		
Bulk	¢#1	MCGR	W		182/256					



				HURRICAN	E SERVICES INC						
Customer	LD DRILLING		Lease & Well	# ANGELA 1-2				Date	4/:	3/2020	
Service District	MEDICINE LODG	E, KS	County & Sta	te HODGEMAN, K	S Legals S/T/R	2-23S-2	24W	Job #			
Job Type	5.5" LONGSTRIN	G [⊯] PROD	□ INJ	□ SWD	New Well?	⊠ YES	□ No	Ticket #	ICT	T 3463	
Equipment #	Driver			Job Safety A	Analysis - A Discuss	ion of Hazards a	Safety Pro	cedures	-		
75	LESLEY	Hard hat		Gloves		Lockout/Tago	ut	Warning Signs a	& Flagging		
524-522	OSBOURNE	H2S Monitor		Eye Protection		Required Perm	nits	Fall Protection			
176-260	WHITFIELD	Safety Footw	ear	Respiratory Pression Pressi	otection	Slip/Trip/Fall H	lazards	Specific Job Sequence/Expectations			
	SCOTTY	FRC/Protectiv	ve Clothing	Additional Che	emical/Acid PPE	Overhead Haz	ards	Muster Point/M	ledical Locatio	ons	
		Hearing Prote	ection	Fire Extinguish		Additional cor	ncerns or issu	es noted below			
		-				nments					
Product/ Service Code		De	scription		Unit of Measure	Quantity	List Price/Unit	Gross Amount	ltem Discount	Net Amou	
P014	H-LD CEMENT BI				sack	150.00				\$6,151	
P055	H-Plug				sack	30.00				\$331	
E145	5 1/2" Float Shoe	- AFU Flapper T	уре		ea	1.00				\$318	
E170	5 1/2" Latch Dowr	Plug & Baffle		12	ea	1.00				\$297	
E165	5 1/2" Port Collar				ea	1.00				\$2,975	
E130	5 1/2" Cement Ba	sket			ea	2.00				\$510	
E135	5 1/2 Turbolizer				ea	8.00				\$544	
CP170	Mud Flush				gal	1,000.00				\$850	
AF055	Liquid KCL Subst	0.07			gal	5.00				\$127	
M015	Light Equipment N				mi	100.00				\$170	
//010 //020	Heavy Equipment Ton Mileage	wineage			mitm	100.00				\$340	
0050	Cement Plug Con	tainer			job	1.00				\$1,064 \$212	
015	Cement Pump Se				ea	1.00				\$1,275	
			to a strategy		-					<u></u>	
		ART 1 3 4 5 1 5 1				-t	-				
Cust	omer Section: On i	he following scal	e how would you r	ate Hurricane Servio	ces Inc.?		Gross:		Net:	\$15,168	
	ased on this job, h	ow likely is it yo		end HSI to a collea	gue?		to be sales ta the customer to make a det	ermination if	Sale Tax:	\$	
					. –,	HSI Represe			Total:	\$ 15,168	

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royallies and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likawise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurripene has been provided accurate well information in determining taxable serv

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: LD DRILLING	Well:	ANGELA 1-2	Ticket:	ICT 3463
City, State:	County:	HODGEMAN, KS	Date:	4/3/2020
Field Rep: RICK POPP	S-T-R:	2-23S-24W	Service:	5.5" LONGSTRING

Down	hole lı	nformatio	n		Calculated Slu	ırry - Lead		Calculated S	Slurry - Tail	
Hole	Size:	7 7/8	in		Blend:	H-LD BI	LEND	Blend:	÷	
Hole D	epth:	4695'	ft		Weight:	14.8 p	pg	Weight:	ppg	
Casing	Size:	5 1/2	in		Water / Sx:	6.5 g	gal / sx	Water / Sx:	gal / sx	
Casing D	epth:	4687'	ft		Yield:	1.54 f	't ³ / sx	Yield:	ft ³ / sx	
Tubing / I	Liner:		in		Annular Bbis / Ft.:	t	obs / ft.	Annular Bbis / Ft.:	bbs / ft.	
PLUG D	epth:	4643	ft		Depth:	f	ť	Depth:	ft	
Tool / Pa	cker:				Annular Volume:	0.0 k	obis	Annular Volume:	0 bbls	
Tool D	epth:		ft		Excess:			Excess:		
Displace	ment:	110.5	bbls		Total Slurry:	41.3 H	obls	Total Slurry:	0.0 bbls	
			STAGE	TOTAL	Total Sacks:	150 s	SX	Total Sacks:	#DIV/0! sx	
TIME	RATE	PSI	BBLs	BBLs	REMARKS					
2:00AM				÷	ON LOCATION - SPOT E	QUIPMENT				
2:30AM				-	RUN 5 1/2" X 15.5 # CSG).				
				-	TURBOLIZER- 1-2-3-4-5	-6-7- 77				
				-	BASKET- 75 & 76					
				-	PORT COLAR- TOP OF 7	76 = 1503'				
3:00AM				-	TONGS BROKE DOWN-	WAIT ON TO	ONGS CSG CREW			
6:45AM				-	CSG ON BOTTOM					
7:00AM				-	HOOK UP TO CSG- BRE	AK CIRCUL	ATION WITH RIG PUMP			
8:30am	5.0	400.0	5.0	5.0	H2o AHEAD					
8:33am	5.0	400.0	24.0	29.0	MUDFLUSH					
8:38am	5.0	300.0	5.0	34.0	H20 SPACER					
8:40am	5.0	200.0	41.3	75.3	MIX 150 SKS H- LD BLEI	ND CEMENT	Г @14.8 PPG			
8:50am				75.3	SHUT DOWN- CLEAR PL	JMP AND LI	NES			
8:59am	6.0		-	75.3	START DISPLACEMENT	WITH 2% K	CL H2o			
9:15am	5.0	200.0	75.0	150.3	LIFT PRESSURE					
9:27am	4.0	400.0	100.0	250.3	SLOW RATE					
9:30am	3.0	500.0	110.5	360.8	PLUG DOWN - Held					
				360.8	CIRCULATION THRU JO	B			, , , , , , , , , , , , , , , , , , ,	
	3.0		7.0	367.8	PLUG RATHOLE- 30 sks	HPLUG CE	MENT			
				367.8						
				367.8	JOB COMPLETE					
				367.8	THANK YOU!				and the second	
				367.8						
				367.8						
				367.8						
				367.8				4		
				367.8						
	1000	CREW			UNIT			SUMMARY	Station and	
Cem	ienter:	LESL	EY		75		Average Rate	Average Pressure	Total Fluid	
Pump Op			OURNE		524-522	F	4.6 bpm	300 psi	368 bbls	
	ulk #1:		FIELD		176-260	F		ter por		
	ulk #2:	SCO	Version - Courses							



Mark ID 1991				HURRICANE	SERVICES INC					
Customer	L.D. DRILLING		Lease & Well #	ANGELA 1-2				Date	3	/25/2020
Service District	MEDICINE LODGE	KS	County & State	HODGEMAN CO	Legals S/T/R	2-23	S-24W	Job #		
Job Type	8 5/8 SURFACE	PROD	d INJ	□ SWD	New Well?	@ YES	□ No	Ticket #	1	CT3440
Equipment #	Driver			Job Safety An	alysis - A Discus	sion of Hazard	s & Safety Pro			
912	MATTAL	Hard hat		Gloves		Lockout/Ta	gout	Warning Signs	& Flagging	
266	MCGRAW	H2S Monitor		Eye Protection		D Required Pe	ermits	Fall Protection	55 5	
182/256	WHITFIELD	Safety Footwear		Respiratory Prot		Slip/Trip/Fa	ll Hazards	Specific Job Se	equence/Expe	ectations
		FRC/Protective		Additional Chem		Overhead H		Muster Point/I	Medical Locat	ions
		Hearing Protect	tion	Fire Extinguisher		Contraction of the local division of the loc	oncerns or issu	ues noted below		
					Con	nments				
Product/ Service Code		Desci	ription		Unit of Measure	Quantity	List Price/Unit	Gross Amount	ltem Discount	Net Amour
P070	60/40/2 Pozmix				sack	200.0			biscount	\$2,080
P100	Calcium Chloride				lb	516.0				\$2,080
P120	Cello-flake				lb	50.0)			\$70
P180	Sugar				lb	50.00)			\$120
015	Light Equipment Mil	10000								
010	Heavy Equipment N	and the second			mi	100.00				\$160.
020	Ton Mileage	mougo			mi tm	100.00				\$320.
						660.01	1			\$1,032.
			100 C	~~~~~						
						900- 1				
		241								
					-					
			1.************************************							
			1000	Notice - No. 4						
			11.000				-			
							1			
Custo	mer Section; On the	following scale he	ow would you rate	Humcane Services	Ind.?		Gross:		Net:	\$4,091.
						Total Taxable	\$ -	Tax Rate:		> <
		v likely is it you w	7 2001d recommend		e? xtrematy Likely	used on new we Services relies o information above	eem certain prod lls to be sales tax in the customer p re to make a dete products are tax	ermination if	Sale Tax: Total:	\$ - \$ 4,091.
					12	HSI Repres	entative:	Mike Matta		

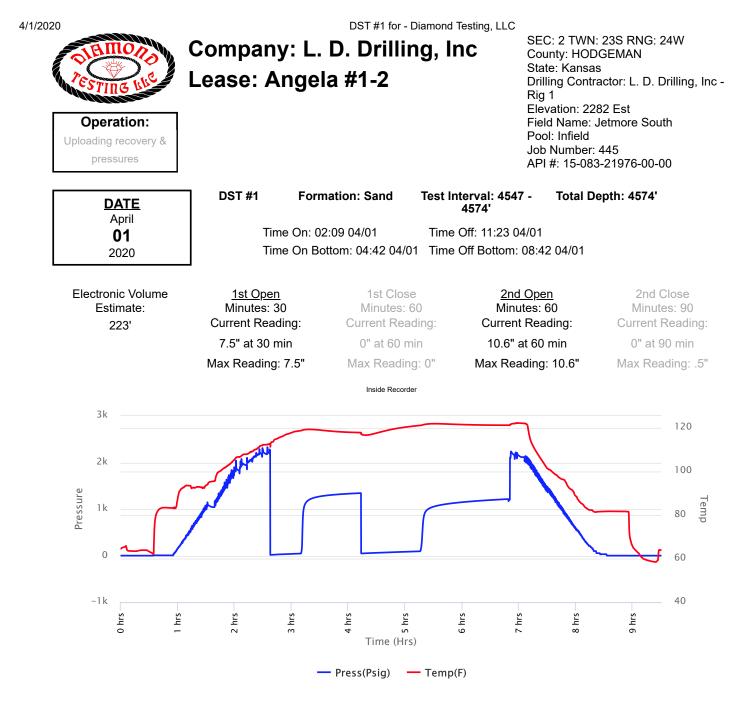
TERMS; Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total involce due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in good fith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is no location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable serv

the

CUSTOMER AUTHORIZATION SIGNATURE



EMENT	TREA	TMENT	r REPC	DRT						
Custo	omer:	.D. DRI	LLING		Well:	AN	GELA 1-2	Ticket:	ICT3440	
City, S	State:	ODGEN	AN CO	KS	County:	HODGI	EMAN CO KS		3/25/2020	
Field	Rep:	MIKE MA	TTAL		S-T-R:		23S-24W	Service:	8 5/8 SURFACE	
Down	hole in	formatio	'n	1	Calculated Si	urny - Load		Colouistad S	·]	
	Size:	12.25	Same		Blend:	60/40/2 POZMIX		Calculated S Blend:	olurry - Tail	
Hole D	epth:	270	ft		Weight:	14.8 ppg		Weight:	ppg	
Casing	Size:	8 5/8	in		Water / Sx:	5.2 gal / sx		Water / Sx:	gal/sx	
Casing D	epth:	267	ft		Yield: 1.21 ft ³ / sx Yield:			ft ³ / sx		
ubing / L	-		in		Annular Bbls / Ft.:	bbs / ft.		Annular Bbls / Ft.:	bbs / ft.	
	epth:		ft		Depth:	ft		Depth:	ft	
Fool / Pa					Annular Volume:	0.0 bbls		Annular Volume:	0 bbls	
Tool D Displacer			ft		Excess:			Excess:		
Isplace	nem:	15.5	STAGE	TOTAL	Total Slurry:	43.0 bbls		Total Slurry:	0.0 bbls	
TIME	RATE	PSI	BBLs		Total Sacks: REMARKS	200 sx		Total Sacks:	#DIV/0! sx	
9:50 PM			02 <u>2</u>		ON LOCATION/SAFTEY	MEETING				
2:20 AM				-	RUN 8 5/8 CASING					
1:00 AM				-	CASING ON BOTTOM					
1:10 AM			×	-	HOOK TO CASING					
1:20 AM				-	BREAK CIRCULATION					
1:25 AM	3.0	100.0	3.0	3.0	PUMP 3 BBL WATER					
1:30 AM			43.0	46.0						
1:45 AM	1.0	40.0		46.0	START DISPLACEMENT					
2:00 AM		100.0	15.5	61.5	PLUG DOWN/SHUT IN W	/ELL			and the second second	
					CEMENT TO SURFACE			and the second second second		
				-			and the second second		· · · · · · · · · · · · · · · · · · ·	
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					JOB COMPLETE THANK	K YOU!				
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					MIKE&BRIAN		1			
				-						
		2		-						
				-						
		CREW			UNIT			SUMMARY		
Cem	enter:	MATT	AL		912	Av	erage Rate	Average Pressure	Total Fluid	
Pump Ope	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MCG	RAW		266		2.0 bpm	80 psi	62 bbls	
	ılk #1:		FIELD	1	182/256					



O20 COLORING COLORIGA Opera Uploading ressu	tion: ecovery &	-	DST #1 for - Diamond Testing, LLC mpany: L. D. Drilling, Inc ase: Angela #1-2					SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc - Rig 1 Elevation: 2282 Est Field Name: Jetmore South Pool: Infield Job Number: 445 API #: 15-083-21976-00-00			
DA	ATE	DST #1	DST #1 Formation: Sand			Test Interval: 4547 - 4574'		Total Depth: 4574'			
	pril	T :	0	00.04/04							
)1		ne On: 02: no On Bot	tom: 04:42 0		: 11:23 04/01 Bottom: 08:4					
20)20]		10111. 04.42 0		Dollom. 00.4	12 04/01				
<u>R</u>	<u>lecovered</u>										
Foot	BBLS	Des	cription of	Fluid	<u>Gas %</u>	<u>Oil %</u>	Water 9	<u>% Muc</u>	<u>1 %</u>		
315	3.2319	9	G		100	0	0	0	I		
189	1.9391	4	0		0	100	0	0	I		
31	0.3180	6	OCM		0	20	0	80)		
	overed: 53 els Recove	5 ft ered: 5.4891	Rev	versed Out NO		Recove	ry at a glan	ice			
Initial Hyd	drostatic Pres	sure 217	9	PSI	2						
	Initial F	Flow 15 to	45	PSI	BBL						
Initial Clo	osed in Press	sure 134	4	PSI							
Fir	nal Flow Pres	sure 51 to	93	PSI	0						
	osed in Press			PSI	0		Re	covery			
Final Hyd	rostatic Press			PSI			_		-		
	Tempera	iture 122	2	°F		Gas 58.88%	Oil36.49%	Water 0%	Mud 4.64%		
	ure Change Ir lose / Final C		5	%	GIP cubic foo	t volume: 18.	1455				

20 CODE TO A CONTRACT OF A CONTRACTACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT.	-	y: L. D. Drilli ngela #1-2	Diamond Testing, LLC ng, Inc	SEC Cou Stat Drill Rig Elev Fiel Poo Job	C: 2 TWN: 23S RNG: 24W inty: HODGEMAN te: Kansas ing Contractor: L. D. Drilling, Inc - 1 vation: 2282 Est d Name: Jetmore South d: Infield Number: 445 #: 15-083-21976-00-00
DATE April	DST #1	Formation: Sand	Test Interval: 454 4574'	17 -	Total Depth: 4574'
01	Tin	ne On: 02:09 04/01	Time Off: 11:23	04/01	
			01 Time Off Bottom	00.44	

1st Open: 1/2" Blow. Built to 7 3/4 inches in 30 mins 1st Close: NOBB 2nd Open: 1/4" Blow. Built to 10 1/2 inches in 60 mins 2nd Close: 1/2" Blow Back

REMARKS:

Tool Sample: 10% Gas 5% Oil 0% Water 85% Mud

Gravity: 36 @ 60 °F



Operation: Uploading recovery & pressures

Company: L. D. Drilling, Inc Lease: Angela #1-2

SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2282 Est Field Name: Jetmore South Pool: Infield Job Number: 445 API #: 15-083-21976-00-00

D	<u>ATE</u>
A	April
	01
2	2020

DST #1 Formation: Sand

Test Interval: 4547 - To 4574'

Total Depth: 4574'

 Time On: 02:09 04/01
 T

 Time On Bottom: 04:42 04/01
 T

Time Off: 11:23 04/01

Time On Bottom: 04:42 04/01 Time Off Bottom: 08:42 04/01

Down Hole Makeup

Heads Up:	23.28 FT	Packer 1:	4542 FT
Drill Pipe:	4537.71 FT	Packer 2:	4547 FT
ID-3 1/4		Top Recorder:	4531.42 FT
Weight Pipe:	FT	Bottom Recorder:	4549 FT
ID-2 7/8		Well Bore Size:	7 7/8
Collars: ID-2 1/4	0 FT	Surface Choke:	1"
ID-2 1/4		Surface Choke.	I
Test Tool:	33.57 FT	Bottom Choke:	5/8"
ID-3 1/2-FH			
Jars			
Safety Joint			
Total Anchor:	27		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top):	FT		
4 1/2-FH			
Change Over:	FT		
Drill Pipe: (in anchor):	FT		
ID-3 1/4			
Change Over:	FT		
Perforations: (below):	26 FT		
4 1/2-FH			



Company: L. D. Drilling, Inc Lease: Angela #1-2 SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1

4/1/202	0		DST #1 for - D	iamond Testing, LLC		
	Operation: Uploading recovery & pressures				Field Na Pool: In Job Nu	on: 2282 Est ame: Jetmore South field mber: 445 15-083-21976-00-00
	DATE April	DST #1	DST #1 Formation: Sand Test Ir			otal Depth: 4574'
	01	Tin	ne On: 02:09 04/01	Time Off: 11:23 04/01		
	2020	Tin	ne On Bottom: 04:42 04/01	Time Off Bottom: 0	08:42 04	ŀ/01
			Mud Prope	rties		

Viscosity: 54

Mud Type: Chem

Weight: 9.3

Filtrate: 8

Chlorides: 6200 ppm



Company: L. D. Drilling, Inc Lease: Angela #1-2 SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2282 Est Field Name: Jetmore South

www.diamonddst.com/queue/view/1159/?print=1

4/1/2020

Uploading recovery & pressures

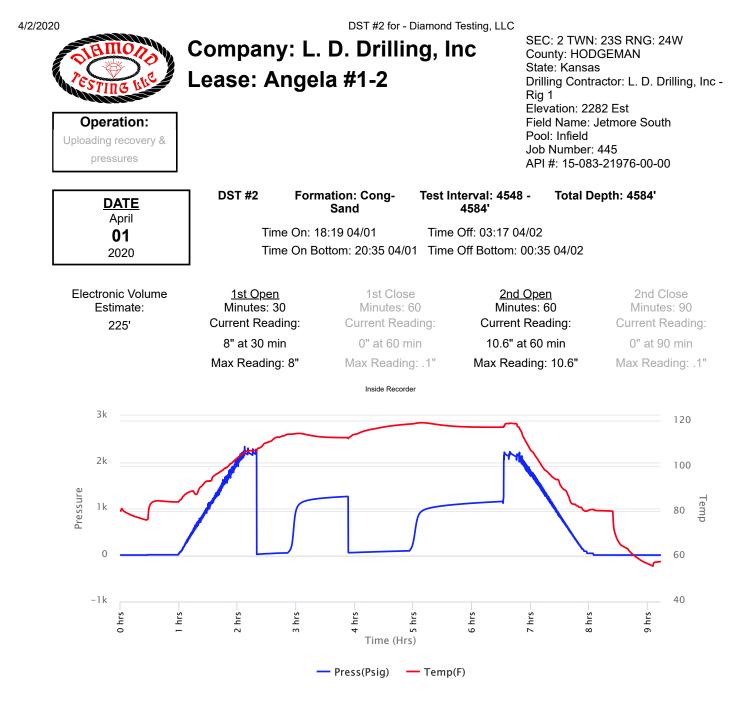
DST #1 for - Diamond Testing, LLC

Pool: Infield Job Number: 445 API #: 15-083-21976-00-00

ſ	DATE April	DST #1	Formation: Sand	Test Interval: 4547 - 4574'	Total Depth: 4574'
	01	Tim	ne On: 02:09 04/01	Time Off: 11:23 04/01	
	2020	Tim	ne On Bottom: 04:42 04/01	Time Off Bottom: 08:42	2 04/01

Gas Volume Report

1st Open				2nd Open				
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D	



2020 CONTINUE	Den: Divery &	npany: L se: Ange	. D. Drill	- Diamond Testi ing, Inc	SE Co Sta Dri Rig Ele Fie Po Joł	C: 2 TWN: 23 unty: HODGE ate: Kansas lling Contracto of 1 evation: 2282 l eld Name: Jetr ol: Infield o Number: 44 ol Sumber: 44 1 #: 15-083-21	MAN or: L. D. Drill Est nore South	
DAT	E D	ST #2 For	mation: Cong- Sand	Test Interv 458		Total Dept	h: 4584'	
April 01 2020			18:19 04/01 Bottom: 20:35 04	Time Off:	03:17 04/02	-		
Rec	overed							
<u>Foot</u>	BBLS	<u>Descriptior</u>	of Fluid	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud</u>	%
179	1.83654	G		100	0	0	0	
136	1.39536	0		0	100	0	0	
63	0.64638	SLGO	CM	10	0	0	90)
Total Recov Total Barrels	ered: 378 ft s Recovered: 3	3.87828	Reversed Out NO		Recove	ry at a gland	ce	
Initial Hydro	static Pressure	2147	PSI	_1				
,	Initial Flow	16 to 45	PSI					
Initial Close	ed in Pressure	1259	PSI					
Final	Flow Pressure	50 to 91	PSI					
Final Close	ed in Pressure	1154	PSI	0		Rec	overy	
Final Hydros	tatic Pressure	2147	PSI			ince.	overy	
	Temperature	120	°F		Gas 49.02%	• Oil 35.98%	• Water 0%	Mud 1 5%
	e Change Initial se / Final Close	8.4	%	GIP cubic foot	volume: 10.6	57416		

2/2020 Operation: Uploading recovery & pressures	-	DST #2 for - y: L. D. Drillin ngela #1-2	Diamond Testing, LLC	SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc - Rig 1 Elevation: 2282 Est Field Name: Jetmore South Pool: Infield Job Number: 445 API #: 15-083-21976-00-00
DATE April	DST #2	Formation: Cong- Sand	Test Interval: 4548 4584'	3 - Total Depth: 4584'
01	Tin	ne On: 18:19 04/01	Time Off: 03:17 04	4/02
2020	Tin	ne On Bottom: 20:35 04/0	1 Time Off Bottom:	00:35 04/02
	 T:			

1st Open: 1/4 " Blow. Built to 8 inches in 30 mins 1st Close: Weak Blow Back 2nd Open: 1/2" Blow. Built to 10 1/2 inches in 60 min

2nd Close: Weak Blow Back

REMARKS:

Gravity: 35.8 @ 60 °F



Operation: Uploading recovery & pressures

Company: L. D. Drilling, Inc Lease: Angela #1-2

SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2282 Est Field Name: Jetmore South Pool: Infield Job Number: 445 API #: 15-083-21976-00-00

Total Depth: 4584'

DATE	
April	
01	
2020	

DST #2 Formation: Cong-Sand Time On: 18:19 04/01 Time On Bottom: 20:35 04/01 Time Off Bottom: 00:35 04/02

4584' Time Off: 03:17 04/02

Test Interval: 4548 -

Down Hole Makeup

Heads Up:	22.3 FT	Packer 1:	4543 FT
Drill Pipe:	4537.73 FT	Packer 2:	4548 FT
ID-3 1/4		Top Recorder:	4532.42 FT
Weight Pipe:	FT	Bottom Recorder:	4550 FT
ID-2 7/8		Well Bore Size:	7 7/8
Collars:	0 FT		
ID-2 1/4		Surface Choke:	1"
Test Tool:	33.57 FT	Bottom Choke:	5/8"
ID-3 1/2-FH			
Jars			
Safety Joint			
Total Anchor:	36		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/4	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	35 FT		



Company: L. D. Drilling, Inc Lease: Angela #1-2

SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2282 Est

DST #2 for - Diamond Testing, LLC

Field Name: Jetmore South
Pool: Infield
Job Number: 445
API #: 15-083-21976-00-00

DATE April	DST #2	Formation: Cong- Sand	Test Interval: 4548 - 4584'	Total Depth: 4584
April 01	Tin	ne On: 18:19 04/01	Time Off: 03:17 04/02	
2020	Tin	ne On Bottom: 20:35 04/01	Time Off Bottom: 00:35	04/02

Mud Type: Chem

Operation: Uploading recovery &

Weight: 9.35

Viscosity: 60

Filtrate: 12.4

Chlorides: 9200 ppm



Company: L. D. Drilling, Inc Lease: Angela #1-2 SEC: 2 TWN: 23S RNG: 24W County: HODGEMAN State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 2282 Est Field Name: Jetmore South

www.diamonddst.com/queue/view/1160/?print=1

4/2/2020

Uploading recovery & pressures

DST #2 for - Diamond Testing, LLC

Pool: Infield Job Number: 445 API #: 15-083-21976-00-00

DATE April	DST #2	Formation: Cong- Sand	Test Interval: 4548 - 4584'	Total Depth: 4584'
0 1		e On: 18:19 04/01 e On Bottom: 20:35 04/01	Time Off: 03:17 04/02 Time Off Bottom: 00:35	04/02
2020	1	e On Bollom. 20.35 04/01		04/02

Gas Volume Report

1st Open					2nd O	oen	
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D