KOLAR Document ID: 1662449

Confidentiality Requested:

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 - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.gxxx.xxxxx)
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	Lease Name: Well #:
Designate Type of Completion:	Field Name:
☐ New Well ☐ Re-Entry ☐ Workover	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:
OG GSW	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 □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Occupation to the Company of the Com	Chloride content: ppm Fluid volume: bbls
<pre>Commingled Permit #:</pre> Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	·
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec. TwpS. R East West 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 Approved by: Date:					

KOLAR Document ID: 1662449

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	DK Operating Inc.
Well Name	CAROL 2-13
Doc ID	1662449

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	''	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	223	Class A	150	3% CC 2%Gel
Production	7.875	5.50	15.5	4305	EA2	145	2%KCL

Mud-Co / Service Mud Inc.

15502.48	TOTAL COST							287.60		10			SLIG	SUPER LIG					
								490.39		19			ASH	SODA ASH					
	Taxes							94.00		10			SOAP STICKS	SOAP	0	DRILLING MUD RECAP	LING MU	DRIL	
	Trucking Surcharge				_			7141.00		370		Г	PREMIUM GEL	PREM					
2302.76	Trucking Cost							56.00		5				LIME					
13199.72	Total Mud Cost							1494.52	1	4			PAK	DRILL PAK	-5024	316/264-2814 Fax: 316/264-5024	814 Fax	16/264-2	ω
					_			128.80		_			0	DESCO		67202	Wichita, Ks. 67202	5	
								421.14		2			T-Y-T	CO-POLY-L		100 S. Main Suite #310	S. Main S	100	
								921.47		11		A	CAUSTIC SODA	CAUS					
								2164.80		123			JLLS	C/S HULLS	NC.	MUD-CO / SERVICE MUD INC.	/ SERV	MUD-CO	_
Amount		Amount	Sacks	(S)	S	Materials		ount	Amount	Sacks	(0	S	Materials						
																			Ц
S	Estimated Volume: 1128 bbls			1			-			1									
า: 28500	Reserve Pit. Chl content ppm: 28500	77	T				-				1						4		
										1	T			-		+	+		1
				+	+	-	-							-					
											t								
				H															Ш
					+	1	-								1				
			Ī				+									-	-		
					+							T		+	t		+		_
			T									+							
						+				T									
D 4337'.	DST #1 @ 4337'																L		
Total loss approx 150 bbls.	ing. T																		
partial loss while circulating.	ÿ.																		
bottom. Lost 50 bbls initially,	1 DST. bottom.																		
Lost returns when back on	- 4337'.																		
22 std wiper trip @ 4337'.				+							1							4337	5/26
Displaced @ 3387'-3419'.	w/ tool	12,922 T	1	_	93.2	6.8		00	5,200		2	\dashv	+	16/50	7	-	9.3	4337	5/25
fish		10.888		+	93.1	6.9		4	3,800		2	\forall		15/46	18 17	+	9.3	4206	5/24
TIH w/ overshot & jars		9,256 D	1	\dashv	96.5	3.5	1	4	2,400		2	+	,	15/43		58	8.8	3626	5/23
TOH. 319' fish in hole		7.868 T	1	1 1#	94.1	5.9		HYH	32.8M	1		n/c	7.0	3/4	3 4	+	9.4	3304	/22
Twisted off @ 3304'.		5.046 D		1 4	94.4	5.6	-	YH.	73M	1		n/c	7.0	1/2	1 2	+	9.7	2341	5/21
ost 40-50 bbls @ 2593'		1 684 [1	2	972	28		200	600	1		n/c		1/2	1 2	28	8.7	752	5/20
Elevation - 2221.6'	RURT Elevation	0 7	1	+	1	4	-	160	300	-	1	T		Make up				0	5/19
ATMENT	REMARKS AND TREATMENT	COST	Press.	4	Oil Water %	Solids 0	%	Ca	ppm C	Pres. #/BBL	Cake 32nds	API MI	Strip_	10 sec / 10 min.	F Yp	Sec API P	lb/gal	feet	
		CUMULATIVE	Pump	L.C.M.	RETORT		SAND		NALYSIS	FILTRATIONFILTRATION ANALYSIS	TRATIONEIL	FIL	뫈	GELS	VISCOSITY		WEIGHT	DEPTH	DATE
h 4337 ft.	Total Depth	FT/MIN R.A.	415	0 #	450	6.25 in.	Collar_		g	Justin Whiting	Justir		Engineer	5/19/2022	Date 5/1		Pratt, Kansas		Stockpoint
"@ ft.		FT/MIN R.A.	228			4.5 in.	D.P.	23W D.P.	RNG	208	TWP	13	I Sec		o. #10	Pickrell Drilling Co.	oickrell I		Contractor
" (®)		9.41 BPM	9.41		M	395 GPM	ı						Location			-13	Carol #2-13		Well



6/8/22 ck#4924 ck#457.00

1515 Commerce Pkwy HAYS, KANSAS 67601 TELEPHONE: (785) 625-4778 FAX: (785) 625-5620 DATE

INVOICE#

5/27/2022

26986

DK Operating Inc. 621 Benton Street Jetmore KS 67854-5311

			PO/PAYEE#	TERMS	DUE DATE
Carol #2-13		13 20S 23W Ness KS		Net 30	6/26/2022
Date	Ticket #	De	scription		Amount
5/24/2022	65832	DST #1 4262-4338 Jars 138 Miles @ \$1.50 (Round Trip			1,950.00 300.00 207.00
		Thank You			

For a complete price list go to http://www.trilobitetesting.com If you are interested in Paperless Invoices please contact us at trilobite@eaglecom.net

Payment...

\$0.00

TOTAL

\$2,457.00

Balance Due

\$2,457.00

6310



Prepared For: **DK Operating**

621 Benton St. Jetmore, KS 67854

ATTN: Marc Downing

Carol #2-13

13-20s-23w Ness,KS

Start Date: 2022.05.25 @ 00:58:00 End Date: 2022.05.25 @ 08:18:00 Job Ticket #: 65832 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



DK Operating

13-20s-23w Ness, KS

621 Benton St.

Carol #2-13

Jetmore, KS 67854

Job Ticket: 65832 **DST#: 1**

ATTN: Marc Downing

Test Start: 2022.05.25 @ 00:58:00

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 03:47:15

Tester: Dustin Day
Time Test Ended: 08:18:00

Unit No: 70

Interval: 4262.00 ft (KB) To 4338.00 ft (KB) (TVD)

Total Depth: 4338.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Bevations: 2229.00 ft (KB)

2222.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8652 Outside

Press@RunDepth: 1251.98 psig @ 4263.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2022.05.25
 End Date:
 2022.05.25
 Last Calib.:
 2022.05.25

 Start Time:
 00:58:05
 End Time:
 08:17:59
 Time On Btm:
 2022.05.25 @ 03:46:00

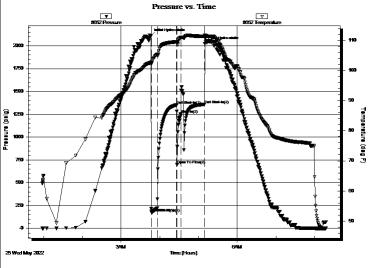
 Time Off Btm:
 2022.05.25 @ 05:10:00

TEST COMMENT: IF-10- BOB in 1 min, Built to 31"

SI1-30- No return

FF-10- Built to 2". flushed tool

SI2-30- No return



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2106.66	102.56	Initial Hydro-static
	2	174.49	102.36	Open To Flow (1)
	11	221.44	105.25	Shut-In(1)
	41	1352.28	109.46	End Shut-In(1)
	41	698.95	109.13	Open To Flow (2)
	47	1251.98	110.75	Shut-In(2)
	84	1359.12	111.28	End Shut-In(2)
,	84	2022.62	111.64	Final Hydro-static
	1			

Cac Datas

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
177.00	GM W/ oil spots	1.44
200.00	mud 100%	2.81
-)

Oas Nai	.03	
Choko (inohoo)	Drocoure (poig)	Coo Boto (Mof/d)

Trilobite Testing, Inc Ref. No: 65832 Printed: 2022.05.26 @ 14:43:13



DK Operating

13-20s-23w Ness, KS

621 Benton St. Jetmore, KS 67854 Carol #2-13

Job Ticket: 65832

DST#: 1

ATTN: Marc Downing

Test Start: 2022.05.25 @ 00:58:00

GENERAL INFORMATION:

Formation: Miss

Time Tool Opened: 03:47:15

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Day

Time Test Ended: 08:18:00

Unit No: 70

Reference ⊟evations:

2229.00 ft (KB)

Interval:

4262.00 ft (KB) To 4338.00 ft (KB) (TVD)

2222.00 ft (CF)

Total Depth: 4338.00 ft (KB) (TVD)

KB to GR/CF: 7.00 ft

Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 6625 Inside

Press@RunDepth: 4263.00 ft (KB) psig @

Capacity: Last Calib.: 8000.00 psig

Start Date: 2022.05.25 End Date: 2022.05.25 08:17:59

Time On Btm:

2022.05.25

Start Time:

00:58:05

End Time:

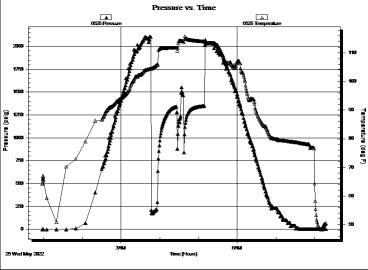
Time Off Btm:

TEST COMMENT: IF-10- BOB in 1 min, Built to 31"

SI1-30- No return

FF-10- Built to 2". flushed tool

SI2-30- No return



MAR'	SUM	URE	PRESS	
MAR'	SUM	URE	PRESS	

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
i				
Tamparatura (dag F)				
3				

Recovery

Length (ft)	Description	Volume (bbl)
177.00	GM W/ oil spots	1.44
200.00	mud 100%	2.81

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------

Trilobite Testing, Inc Ref. No: 65832 Printed: 2022.05.26 @ 14:43:14



TOOL DIAGRAM

DK Operating

13-20s-23w Ness, KS

621 Benton St. Jetmore, KS 67854 Carol #2-13

Job Ticket: 65832

DST#: 1

ATTN: Marc Downing

Test Start: 2022.05.25 @ 00:58:00

Tool Information

Drill Pipe: Length: 4147.00 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar: Length:

0.00 ft Diameter: 114.00 ft Diameter:

2

3.80 inches Volume: 2.75 inches Volume: 2.25 inches Volume:

58.17 bbl 0.00 bbl 0.56 bbl Total Volume:

58.73 bbl

Tool Weight: 2900.00 lb Weight set on Packer: 26000.00 lb Weight to Pull Loose: 72000.00 lb

Tool Chased String Weight: Initial 68000.00 lb

Final 68000.00 lb

Drill Pipe Above KB: 30.00 ft Depth to Top Packer: 4262.00 ft

Depth to Bottom Packer: ft Interval betw een Packers: 76.00 ft Tool Length: 107.00 ft

Number of Packers:

Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4232.00		
shut In Tool	5.00			4237.00		
hydraulic tool	5.00			4242.00		
Jars	5.00			4247.00		
EM Tool	3.00			4250.00		
Safety Joint	3.00			4253.00		
Packer	5.00			4258.00	31.00	Bottom Of Top Packer
Packer	4.00			4262.00		
Stubb	1.00			4263.00		
Recorder	0.00	6625	Inside	4263.00		
Recorder	0.00	8652	Outside	4263.00		
perforations	4.00			4267.00		
change Over Sub	1.00			4268.00		
drill Pipe	64.00			4332.00		
change Over Sub	1.00			4333.00		
perforations	2.00			4335.00		
Bullnose	3.00			4338.00	76.00	Bottom Packers & Anchor

Total Tool Length: 107.00

Trilobite Testing, Inc Ref. No: 65832 Printed: 2022.05.26 @ 14:43:14



FLUID SUMMARY

DK Operating 13-20s-23w Ness,KS

621 Benton St. **Carol #2-13**

Jetmore, KS 67854 Job Ticket: 65832 **DST#:1**

ATTN: Marc Downing Test Start: 2022.05.25 @ 00:58:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3800.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

	Length ft	Description	Volume bbl
I	177.00	GM W/ oil spots	1.444
ĺ	200.00	mud 100%	2.805

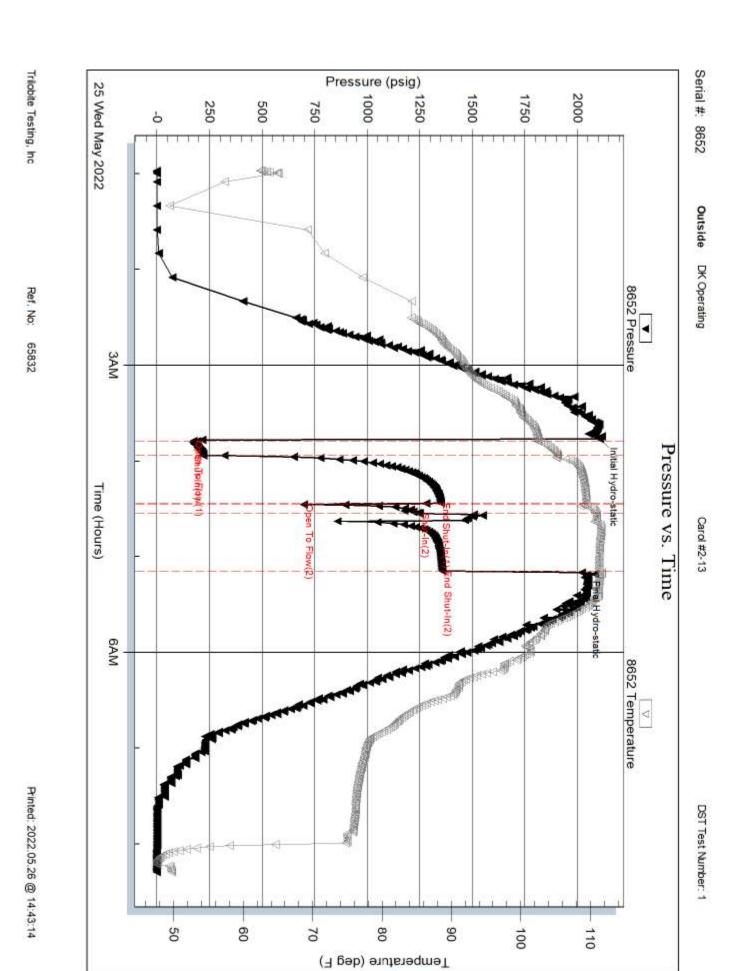
Total Length: 377.00 ft Total Volume: 4.249 bbl

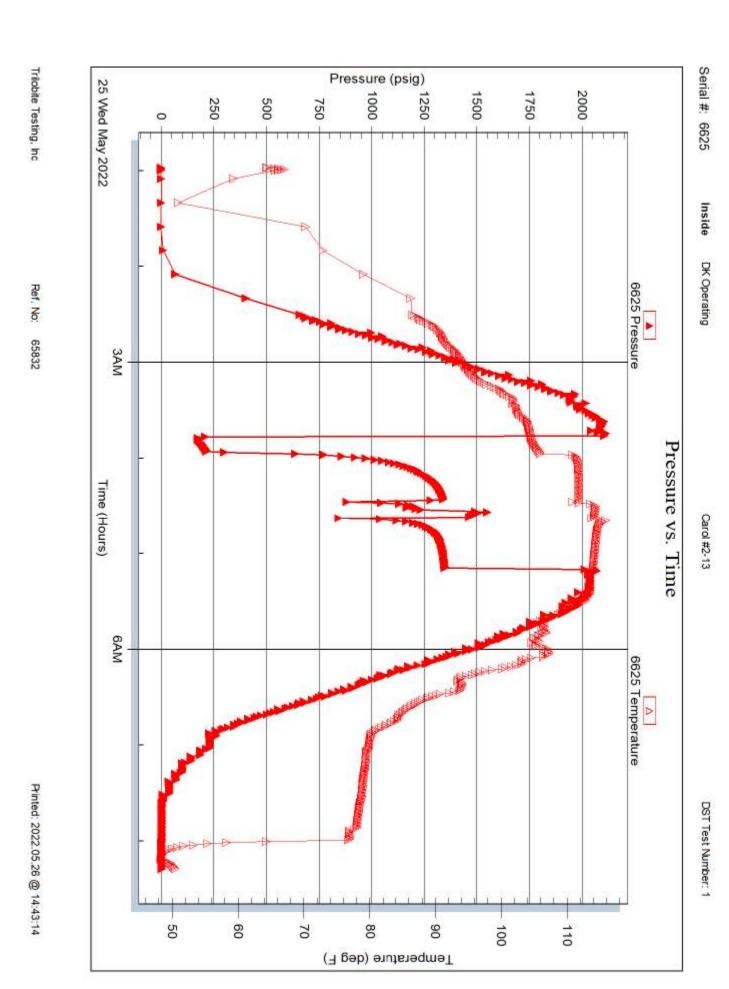
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1# LCM

Trilobite Testing, Inc Ref. No: 65832 Printed: 2022.05.26 @ 14:43:14







RILOBITE ESTING INC.

Test Ticket 65832

NO.

1515 Commerce Parkway - Hays, Kansas 67601

				-
Well Name & No. Carol #2-13	Test No.	Da	te <u>5/24/22</u>	2
	Elevation 2			GL
Address 621 Benton St Jetmox				
Co. Rep/Geo. Marc Downing		11 Rig#10		
Location: Sec. 13 Twp 20				
Interval Tested 4262 - 4338	Zone TestedMiSS			
Anchor Length 7 6	Drill Pipe Run 4147	Mud	Wt. 9.3	
Top Packer Depth 4257	Drill Collars Run	Vis	50	
Bottom Packer Depth 4262	Wt. Pipe Runφ	WL	8.8	
Total Depth 4338	Chlorides 3800 ppm	System LCM	/# <u></u>	
Blow Description F-BOB in I min , b	ailt to 31"			
SII-No return				
FF- Built to 2" flyshed too				
Stz-Noreturn				
Rec 177 Feet of GM wol S	pots 70 %gas	%oil	%water	&5%mud
Rec 200 Feet of Mud	%gas	%oil	%water	100%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Feet of	%gas	%oil	%water	%mud
Rec Total 377 BHT III		°F Chl	orides	ppm
(A) Initial Hydrostatic 207	▼ Test	T-On Location	on 21:30	
(B) First Initial Flow	⊠ Jars300	T-Started	00:58	
(C) First Final Flow 22	Safety Joint	T-Open	03:47	
(D) Initial Shut-In 352	Circ Sub AA	T-Pulled	05:67	
(E) Second Initial Flow 699	Hourly Standby	T-Out	08:18	
(F) Second Final Flow \252	Mileage 138 207	Comments_		-
(G) Final Shut-In 1359	Sampler			
(H) Final Hydrostatic 2023	. Straddle	TÓ EM Too	1142 B#3	^
8	☐ Shale Packer	,	Shale Packer_	
Initial Open 10	Extra Packer		Packer	
Initial Shut-In3	Extra Recorder		ppies	
Final Flow 10	Day Standby	Sub Total _	0	
Final Shut-In30	□ Accessibility	Total 24	57	
	Sub Total 2457		isc't	
Approved By	Our Representative	DirAt De		

DATE:	5/26/2022						RIG 10	DAY#	7			
OPERATO	R:	DK	OPERATING	;	LEASE:	C	CAROL	NO:	2-13	PROJEC	TED TD:	4500
LOCATION		13	T 20S	R 23W	COUNTY:		NESS	State:	KS	RELEAS	SE DATE:	
	2;15PM		DATE:	5/19/2022			620-282-1036				_	
OPER CO					TOOL PU		Scotty Pilano	1		REMARKS:		
DAILY	TOTAL	RUN:	22.00	LOST: 2.	00 FOOTAG	3E: 0	ROP: 0.0		TODAYS DEPTH:	4337		
BIT DAY						FEI	ET HRS		GRADE			
VO	TYPE	SI	ZE JE	TS S	ERIAL NO	OUT DRILL	ED RUN	FPH	T B G			
3	F27	7	7/8 15S	0 0	RP3245	0	0.00	0.0				
BIT EVEN	IING						HRS		GRADE			
OV	TYPE	SI	ZE JE	ETS S	ERIAL NO	OUT DRILL	ED RUN	FPH	T B G			
3	F27	7	7/8 15S		RP3245	0	-TT	0.0				A CONTRACTOR OF THE PARTY OF TH
BIT MORI	NING					FEI			GRADE			
NO	TYPE	SI	ZE JE	TS S	ERIAL NO	OUT DRILL		FPH	T B G			
3	F27	7			RP3245	O O	T	0.0				
	OF JOINTS	DRILL P	IPE:	ON RIG (0 IN HOL	LE: 0	OUT OF F	#	0		-	
Orilling Inf	ormation											
ORMATIC	ON:	MIS	S	ROP: 5	9 ft/hr OVE	RALL						
URRENT	OPERATION	N: FINIS	SHED									
/lud Prope	erties											
WEIGHT	0.00	lb.	VIS	0.00	PV/YP: 0.0	0.0	00 GEL:	0.00 /	0.00 WL:	0.00	CAKE:	0.00
SOLIDS:	0.00	%	Lcm. 0.00	# 32 SA	ND: 0	%	PH: 0.00	pt	CL: 0	ppm	Ca:	0.00 ppm
2411 37 45	TI\/!T\/						-					
DAILY AC									-			
FDO:	TIME LO						DETAIL OF OP	ERATIONS	S (Begin at 7:00a	m)		
7;00	7; 45	0.75	TOUM	/ TOOL								
7;45	8;15	0.75	TOOL	TOOL								
8;15	9;00	0.75		ON ORDERS				***				
9;00	11;00	2.00	TIH W									
11;00	1;00	2.00		AND UNLOA	D CASING							
1;00 3;00	3;00 4;45	2.00 1.75	LDDP	AND DRILL	COLLARS							
4;45	5;15	0.50		AR WORK	JULLANO							
5;15	6;00	0.75		CASING CI	REW							
6;00	8;15	2.25	RUN 5								· · · · · · · · · · · · · · · · · · ·	
8;15	9;15	1.00			WELD ON SL	IP COLLAR						
9;15	10;15 11;30	1.00	CIRCU	LATE CASIN	IG							
10;15 11;30	11;30	0.75	SET SI						9944			
12;15	1;00	0.75	JET A	WAY PITS								
1;00	5;00	4.00	RIG DO									
5;00	7;00	2.00	SHOR	TEN ROTOR	Y CHAINS, R	ACK COLLA	ARS TO BE CHE	CKED				- 1
		24.00	Pickre	Il Hours:		NKEY HRS:		OPERATIO				
			DOWNTIN	IE HRS:	ACCUN	M DOWNTIM	E HRS:		TOTAL HRS:	_		
STANDAR	D CREW ST	ATUS:	SHOR	T1 EXT	TRA HANDS:		WHY?					
SAFETY T	OPIC:	ATTITUD	ES AND ACC		_							
ACCIDENT	S LAST 24 H	HRS:	0	DAYS S	SINCE LAST A	ACCIDENT:						
ACCIDENT	EXPLANAT	ION:										
SI	JRFACE C	ASING II	NFO	E	BIT RECORE			PUMP IN	FO			
TS 5	NEW X	SIZE	8 5/8		LAST BIT	BIT IN HOLE	Pump #1 Fff	90%	LINER: 6.0	1		
	USED			BIT NO			-		ROKE: 16	1		
	223 FT		213.00	SIZE				2	GPM: 400	1		
	8;15 PM 5/19/			MAKE		SMITH				1		
S	URFACE CE	MENT IN	IFO	TYPE	MSI 516	F 27		SURVEY	S		SURV	EYS
	D W 150 SX	CLASS A	, 3 % CC, 2			158	DEPTH		Dev.	DEPT	Н	Dev.
CEMENTE				SER NO		RP3245	224		3/4			
% GEL,CE	MENT DID C					3.5034	727		1	1		
% GEL,CE DOWN @	8;15 PM FRA	NKS # 05		DEPTH IN		3304						
% GEL,CE DOWN @	8;15 PM FRA	NKS # 05	INFO	DEPTH IN DEPTH OUT FOOTAGE	3304	4337	1233 1804		3/4			

DK OPERATING, INC Carol #2&-13 1427' FNL & 1968' FEL Sec 13-20S-23W Ness Co., Kansas

2222' GL . 2229' KB .

Completion Report - Run production csg

05-26-22

7:00 am — WO Completion. Cut 4338' of 7-7/8" hole. Ran 122 jts of used 5 $\frac{1}{2}$ " 8rd 14# & 15.5# STC R-2&3 csg. Tallied 4342.75', set @ 4337', 1' off bottom. Shoe jt 31.67'& latch down @ 4305'. Ran a baskets @ 1453' & 1484' w/ port collar @ 1453' & centrilizers @ 4305', 4272', 4238', 4205', 4173' & 1413'. RU Swift Services, Inc. Cmt w/ 500 gal mud flush, 20 bbl 2% KCL then 145 sx EA-2 w/ additives. Had good circulation throughout. Landed plug @ 11:30 pm 5-25-22 w/ 1600# - latch down held. Plug rat hole w/ 30 sx. Set slips & release rig @ 1:30 am 5-26-22. Equipment left on location, 1 jts, talley 42.00'.

DK OPERATING, INC Carol #2-13 1427' FNL & 1968' FEL Sec 13-20S-23W Ness Co., Kansas

2222' GL 2229' KB

Report: Complete in Miss

6/08/22 Level location, install risers on braden head, back fill cellar. MI 2-7/8" tbg, MIRU Mobile Drilling DD. TIH w/ port collar tool & tbg, found port collar @ 1450'. RU to cement port collar in morning. SDFN

6/09/22 RU Swift Svc, pressure csg to 1000#, held, open port collar @ 1450', break circulation, start pumping cement. Had cement to surface w/245 sx 60/40 poz 8% gel, displace cement w/ 25 sx to pit, total cement used 245 sx, close tool, pressure test to 1000# & held. Run tool down 4 jts to 1587' & circulate hole clean. TOH w/ tbg & port collar tool. No KCC stateman on location but called Mike Maier District #1 with cement information. TIH w/ 4-7/8" bit, $2-3\frac{1}{2}$ " drill collars & tbg. Tagged latch down @ 4305', install stripping rubber. SDFN

6/10/22 RU Fritzler Trucking pump & swivel. Drilled latch down @ 4305' then drilled cement in shoe jt down to 4336'. Circulated hole clean, TOH w/ tbg, drill collars & bit. RU Perf-Tech, ran CBL w/ TOC @ 3300' & PBTD @ 4336' w/ good bond throughout. RIH w/ csg swabbed csg down to 3500', 824' FIH, perf'd Miss 4328'-36'(8') w/ 4" Expendable gun 4 spf. When going in w/ 2nd gun, FL @ 3440', 60' fluid entry in 12 min, reperf'd Miss 4328-36'(8') w/ same. SDFN & Weekend

6/13/22 FL @ 2600', 1730' FIH w/ 900' fluid entry & 850' oil(95%). Swab test as follows:

Time bbl cum % comments
SD 36.74 36.74 95 FL 4200', 130' FIH, 6 pulls
Made pull from PBTD, through perf's.
Let set 1 hr, had 15' fluid entry, all oil
Let set 1 hr, had another 15' fluid entry, all oil
Let set 1 hr, had another 15' fluid entry, all oil
Going to let set overnight & check fillup then decide to treat or not. SDFN

6/14/22 FL @ 4000', 338' FIH w/ all oil. Had 8 bbl fluid entry in 17 hr = .47 bph. TIH w/ 1 jt tailpipe, Swift 5 ½" pkr & tbg. RU Swift Svc, acidize Miss 4330-38' w/ 250 gal 20% MCA. Had acid on spot, worked pressure from 100# up to 900# but formation would not feed. After 3.5 hrs staging on pressure & 1.75 bbl acid in formation, pressure would go down to 0# & fluid would drop in tbg. Hooked up swab tank to tbg & let acid soak away overnight. SDFN

 $\underline{06/15/22}$ Water displaced out 8 bbls, all acid went out into formation. FL @ 2400' swab test as follows:

Time	bbl	cum	%	comments
SD	10.85	10.85	wtr	FL 4100', 120' FIH, swb stdy
1 st hr	3.34	14.19	wtr	FL 4000', 220' FIH, 2-pulls
2 nd hr	2.50	16.69	55	FL 4100', 120' FIH, 2-pulls
3 rd hr	2.50	19.19	95	FL 4100', 120' FIH, 2-pulls
4 th hr	2.50	21.69	95	FL 4100', 120' FIH, 2-pulls
5 th hr	2.50	24.19	95	FL 4100', 120' FIH, 2-pulls
SDFN				

 $\underline{6/16/22}$ FL @ 1600', 2730' FIH w/ 2430' oil (90%). Release pkr, TOH w/ tbg & pkr. TIH in hole w/ tbg as follows:

			Set @
2-7/8" 8rd EUE TP M	IA 1jt	15.00'	4337.11'
2-7/8" 8rd SN	1jt	1.10'	4322.11'
2-7/8" 8rd EUE tbg	136jts	4304.01°	4321.01'
2-7/8" 8RD EUE tbg	sub 2jts	12.00'	17.00'
	Below KB	5.00°	

Landed tbg 6' off bottom. RIH w/ swab to swab water out of rat hole. Will run rods in morning. SDFN

6/17/22 TIH w/ pump & rods as follows:

2 ½"x 1 ½"x 16' RWB w/ 6' GA 7/8"x 2' pony rod w/ pump guide 120 – ¾"x 25' sucker rods 51 – 7/8"x 25' sucker rods 7/8"x 4' pony rod 1 ¼"x 22' PR w/ 8' PRL

Longstroke well w/ good pump action. Space out pump, clamp off, RDMODD





P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



Invoice

DATE	INVOICE#
6/14/2022	34164

BILL TO

D K Operating, Inc. 621 Benton Street Jetmore, KS 67854

- Acidizing
- Cement
- Tool Rental

Net 30 #2-13 Carol PRICE REF. 00D 01D 03 - 20% 35 49 Mileage - 1 Wa Acid Pump Ch MCA Acid INH.1 ESA-28 STR-1 (Pen 88 Subtotal Sales Tax Ness	rge	Mobile TION .	Oi	QTY	Miles Job Gallons Gallon(s) Gallon(s)	Acidize UNIT PRICE 7.00 750.00 3.35 40.00 42.00	Dusty AMOUNT 140.00 750.00 837.50 40.00 42.00
00D Mileage - 1 Wa 01D Acid Pump Ch 03 - 20% MCA Acid 35 INH.1 ESA-28 49 STR-1 (Pen 88	/ rge	TION		20 1 250 1	Miles Job Gallons Gallon(s)	7.00 750.00 3.35 40.00	140.00 750.00 837.50 40.00
01D Acid Pump Ch 03 - 20% MCA Acid 35 INH.1 ESA-28 STR-1 (Pen 88 Subtotal	rge			1 250 1	Job Gallons Gallon(s)	750.00 3.35 40.00	750.00 837.50 40.00
						6.50%	1,809.50 0.00



ADDRESS	
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TICKET 34164

STATE CITY	
CITY	
DATE 912-14-72	PAGE 1
OWNER	OF

Thank Vand	of the illaterials and services in	nowledges receipt of	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the illaterials and services il	CUSTOMER ACCEPTANCE OF MATERIA
ted on this ticket.	Attachering and services list			1
TOTAL 1809 57	WITH OUR SERVICE? WES DID NOT WISH TO RESPOND	ARE YOU SATISFIED WITH OUR SERVICE? CUSTOMER DID	785-798-2300	MIT
Stars of	UPMENT	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S NGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
))ELAY?	WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY?	SWIFT SERVICES, INC.	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.
PAGE TOTAL SO SE	PAMED AGREE UNDECIDED DISAGHEE	SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	REMIT PAYMENT TO:	LEGAL TERMS: Customer hereby acknowledges and agrees to
				749
a 2h a 2h			STR-1	235
00 00 ap 100	25054 206		MCA ACID	303
7 38 827 50			ACED Rump CHARLE	361
7100 140	1 (2) 20 MC		MILEAGE /12	
PRICE AMOUNT	QTY. U/M QTY. U/M		DESCRIPTION	PRICE SECONDARY REFERENCE/ ACCOUNTING PART NUMBER LOC ACCT DF
				REFERRAL LOCATION INVOICE INSTRUCTIONS
13-205-23W US			WELL CATEGORY JOB PURPOSE	
J SONTH INTO	OF LO 40 4 34 EASS	SHIPPED D	RIG N.	TICKET TYPE CONTRACTOR DI SERVICE CONTRACTOR TO CALES
22	NESS CITY KS. E	STATE C	SE COUNTY/PARISH	ATIONS WELL/PROJECT NO. LEA
OWNER				Services, Inc.

SWIFT OPERATOR

APPROVAL

Thank You!

DATE PAGE NO. SWIFT Services. Inc. JOB LOG 06-14-22 WELL NO. LEASE CAROL CUSTOMER JOB TYPE 2-13 34164 D.K. OPERATING ACIDIZE RATE (BPM) VOLUME (BBL) (GAL) PRESSURE (PSI)
TUBING CASING **PUMPS** CHART TIME DESCRIPTION OF OPERATION AND MATERIALS TC ON LOCATION MUBILE READY 11:46 TAL NONE PERFS. 4330-38 FLD. Hall DRY Spot 4336' 27/8 x 5 1/2 TREAT 4288 + 321 4322 CS. VOL 56' 1.20 561 TO VOL 4/288' TOTAL 26, D2752 Bb) 12:00 3.0 1.50 SPOTTED ACED UAC PumpING REST OF ACTO 1.75 12:15 ON SWABTAUK FLUCH 2-3 2:17 D DN KCL FEUSIL 12:19 3 0 SHUT DOWN LET LOAD 3.7 22.5 CAC 12:28 26.75 -LDADED WATCH 1/2 HR. CHECK FLUSH LEVEL (SAME 12:43 26.75 PRIME ItT Rump 12:44 5-0 12:50 STALLING 27 100 27 200 13:24 27 400 PSI DROP IMEN 100#5 STALING. 5-0 27,25 500 131:00 27.50 14:07 27,50 000 BI DROP WAS SLDWEK 5-0 700 14:45 1) 27,50 800 11 16:05 900 27.75 RILL DOWN FRAND DROPPING 0 27.75 900-10 11:30 TO TRBING. RTU CREW HOOK TO SWARTANK. 16:45





P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



Invoice

DATE	INVOICE#
6/9/2022	34720

BILL TO

D K Operating, Inc. 621 Benton Street Jetmore, KS 67854

- Acidizing
- Cement
- Tool Rental

TERMS \	Well No.	Lease	County	Contractor	Wel	II Type	W	ell Category	Job Purpose	Operator
Net 30	#2-13	Carol	Ness	Mobile		Oil	D	evelopment	Port Collar	Gideon
PRICE RE	EF.		DESCRIPT	ION		QT	Y	UM	UNIT PRICE	AMOUNT
575D 576D-D 329-8 290 276 105 581D 582D	Pu 60, D-, Flo Po See Mi	lleage - 1 Way mp Charge - Deep /40 Pozmix (8% C Air ocele rt Collar Tool Rer rvice Charge Cem inimum Drayage C btotal les Tax Ness Cour	Gel) ntal With Man ent Charge) Ft.) & Port Collars			1 245 4	Lb(s) Each	7.00 1,600.00 13.00 42.00 3.00 300.00 2.00 350.00	140.00 1,600.00 3,185.007 168.007 225.007 300.007 550.00 350.00 6,518.00 252.07



ADDRESS CHARGE TO:

TICKET 34720

Thank You!

HART NO.	Opera:			-		LEASE		JOB TYFE	TICKET NO.
NO.	TIME		2-1		IDC		ARO/	Port Collar	
	THVIC	RATE (BPM)	VOLUME (BBL) (GAL)	PUM T	C	PRESSU TUBING	CASING	DESCRIPTION OF OPERA	
	0900							ON LOCATION	21/8 x 51/2"
								PC= 1460'	
	0930	Ø	_		V		1.000	Pressure up BS	to 1,000 PSI
	0935					*		Open PC	
	0940	4	4		-	300		Injection RATE	
_		4	81			2000		Mix 245 sks of	P COMENT @ 1224
								A Circulate Cemens	To Surface #
	1010	31/2	7.6		•	400		Displace Cement	,
	1015		*					Close PC	
	1025							Run 4 JES	
	1035	3	25		~		300	Reverse Clean	
	1050							Wash up Tok #	115
	1120							Wash up Trk # Job Complete	
								245 sks of 8% gel. 1/4 Floce	60/40 POZMIX
								# 25 sks to	the Pit A
								Thanks!	
								Gideon, MARK,	John
									4





P. O. Box 466

Ness City, KS 67560 Off: 785-798-2300



Invoice

DATE	INVOICE#
5/25/2022	34708

BILL TO

D K Operating, Inc. 621 Benton Street Jetmore, KS 67854

- Acidizing
- Cement
- Tool Rental



ADDRESS CHARGE TO:

TICKET 34708

No.	CITY, S	CITY, STATE, ZIP CODE				PAGE OF
Services, Inc.			אסופאסועדווויס	STATE CITY	D <u>AI</u> Ę	OWNE
SERVICE LOCATIONS 1. Ness Chu KS	WELL/PROJECT NO.	LEASE CARO	COUNTY/PARISH Ness	-	5/25/2020	
2.	TICKETTYPE CONTRACTOR SALES OR SALES	all Dela Co	RIG NAME/NO.	1		
3.		7	Long Stewa 5%"	WELL PERMIT NO		Ness Chy, 9-5, 5-6,
REFERRAL LOCATION	INVOICE INSTRUCTIONS		ر		S-INTO	37O
-	COUNTING		DESCRIPTION	QTY. U/M	QTY. U/M F	PRICE AMOUNT
F. C.	- 50	MILEAGE TO	415		20 M	2 Jap 140 100
700			GC - I MA String	_	1 306 1.6	600 00 1,600 00
0/0	-				-	
404		PORT CollAR	R	5% IN	1 EA 2,500	2,500
L CZ			Baskets	5%	2 EA 300	000
406		2	POWN Plug + BAFFLE	5/2 N	F	8 18 220
407	-	INSERT FLOAT	Shoe w/ Auto	5/2 10	EA SSC	18 1 200
409	-	TURBOLIZERS		5/2 IN	6 EA 100	600+
					_ _	
LEGAL TERMS: Customer he	LEGAL TERMS: Customer hereby acknowledges and agrees to	REMIT PA	REMIT PAYMENT TO: OUREN	SURVEY AGREE OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	UNDECIDED DISAGREE PAG	PAGE TOTAL POPO PS
but are not limited to, PAYMENT LIMITED WARRANTY provisions	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	SWIFT SER	SWIFT SERVICES, INC. OURS OURS OF SERVICES.	WE UNDERSTOOD AND MET YOUH NEEDS? MED SERVICE WAS PERFORMED WITHOUT DELAY?		Total 12,700'08
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OF DELIVERY OF GOODS.	STOMER'S AGENT PRIOR TO DS.	P.O. B		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	4	Mrs 610 15
x /th		705 70	000	OU SATISFIED WITH OUR SERVICE?	NO NO	TOTAL CALCOL
DATE SIGNED ACAD	P.M.	/00-/	/83-/90-2300	☐ CUSTOMER DID NOT WISH TO RESPOND	SH TO RESPOND	12401
	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	ALS AND SERVICES The	e customer hereby acknowledg	jes receipt of the materials	and services listed on t	-
SWIFT OPERATOR	Men Fuchs AF	APPROVAL				inank rou!

	CANCE & CARA	
	***	-

588	58)	046	281	292 276	284	325	PRICE
							SECONDARY REFERENCE/ PART NUMBER
						-	Ness City, KS 67560 Off: 785-798-2300 Accounting Loc Acct DF
GHARGE 18,380 OUED MILES		D'-AIR	Mud Flush Liquid KCL	Halad-322 Flocele	CAlseal Saut	Standard Coment	CUSTOMER DK OPECATING TIME DESCRIPTION
Charge MIN Charge	CUBIC FEET 175	5 98	200 gd	20 lbs	8 sts	176 sks	CAROL 2-13
8	22		25 N 8 8	308		5 8	OATE STANDAR UNIT PRICE
350 =	380	20 8	200 mm	138 8 18 8	38 334	2,626 😊	AMOUNT N

STOME			WELL NO.	10	LEASE	/	JOB TYFE TICKET NO.
K) PEIATIN			The second line was a second line of the second lin	LEASE	20/	Long String 34708
HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	TUBING	URE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1800						ON LOCATION 51/5" 14 +15,516/A
							RTD: 4.338' TP: 4.342'
							RTD: 4,338' TP: 4342' SJ: 31.67' PC: #72 1453'
							Turbo's: 1,2,3,4,5,73
							Baskets: 71,72
							SHOREIS, // 10
	1810						Start 51/2" multi-weight Csq in well
-	2130						Drop BAll-Circulate
-	<i>y y</i> ·						DIQ DAII CIIZUIAIZ
	2240	Ш	12			275	P Fr and Mid Floor
	2270	11	20			155	Pump 500 gg/ Mud Flush Pump 20 bb/ KCL Spacer
		- 4	20			0.10	ramp 20 ba nce spreak
	2260	1/2	7			7	PL PIL FORT
		1/2	/			-	Plug RH [30]
	2300	4	35			210	M. 145 ch. 0 51201521
			30			du	Mix 145 sks of EA-2@ 15.36pp
	2211			-			1.1 2 - 1
	2311					-	Wash Pump + Lines
			-			-	Release Larch Down Plug
-	2316	6/2	0	1		200	Begin DISPLACEMENT
	010	6/2	80			300	
		61/2	103			800	
	2330	5/2				1600	I ALL LIPE FIESSURE
	2500	012	104.5			1600	LAND LATCH DOWN Plug -Release PSI * Hold *
							A Plug DOWN 11:30 PM CST A
							A FING VOWN IIISOFFICSI M
	2335	,					WASH UP Trk#115
	0. 000						1. 2.11
2/2	0015						Job Complete
40	0010						See Compiler
							175 sks of EA-2 [30 RH, 145]
							1105K> 05 EN-4 C30KH,190 W
							Thanks!
78							Sulean, MACK, ISAAC
					1		Line III