

# KANSAS CORPORATION COMMISSION COMMISSION

Form ACO-1 September 1999 Form Must Be Typed

### **WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33074	API No. 15 - 125-30418-00-00
Name: Dart Cherokee Basin Operating Co., LLC	County: Montgomery
Address: P O Box 177	SWSWSec3 Twp32 S. R15 🗸 East 🗌 West
City/State/Zip: Mason MI 48854-0177	350' FSL feet from S/ N (circle one) Line of Section
Purchaser: Oneok	4930' FEL feet from E/ W (circle one) Line of Section
Operator Contact Person: Beth Oswald RECEIVED	Footages Calculated from Nearest Outside Section Corner:
Phone: (517) 244-8716	(circle one) NE SE NW SW
Contractor: Name: McPherson SEP 2 0 2004	Lease Name: J Springer Trust Well #: D1-3
License: 5675  Wellsite Geologist: Bill Barks	Field Name: Cherokee Basin Coal Gas Area
Wellsite Geologist: Bill Barks	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground: 768' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1306' Plug Back Total Depth: 1302'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 42' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
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 to sx cmt.
Well Name:	2111 1111 1211 1211 1211 1211
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 136 bbls
Plug BackPlug Back Total Depth	Dewatering method used_empty w/ vac trk and air dry
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	, ,
Other (SWD or Enhr.?) Docket No	Operator Name: Dart Cherokee Basin Operating Co, LLC
6-2-04 6-3-04 6-11-04	Lease Name: Orr A1-28 SWD License No.: 33074
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter NW Sec. 28 Twp. 30 S. R. 15 ✓ East West County: Wilson Docket No.: D-28282

107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

been fully complied with and the statements

herein are complete and correct t	o the best of my knowledge	and gas industry have been fully compiled with a
$\dot{\alpha}$	wald	KCC Office Use ONLY
Title: Admn & Engr Ass	Date: <u>9-16-04</u>	
Subscribed and sworn to before n	ne this 16th day of September	If Denied, Yes Date:
2007	•	Wireline Log Received
TO THE REAL PROPERTY.	Catholin	Geologist Report Received
Notary Public:	KAREN L. WELTON	UIC Distribution
Date Commission Expires:	Notary Public - Michigan	
The state of the s	Ingham County	
1 Same Continued to the same of the same o	My Commission Expires Mar 3, 2007	

r Operator Name: <u>Da</u>	rt Cherokee Basi	n Operat	ing Co., LL(	C_ Lease	e Name:	J Springer Tru	ust	Well #: D1	-3	
Sec. 3 Twp. :	32 s. R. 15	✓ East	West	County	y: <u>Mon</u>	tgomery				<u> </u>
tested, time tool ope temperature, fluid re	how important tops a n and closed, flowing covery, and flow rate: s surveyed. Attach f	and shut- s if gas to s	in pressures, v surface test, a	whether sl long with t	hut-in pre	essure reached s	static level, hydros	static pressure	es, botton	n hole
Orill Stem Tests Take		☐ Ye	s ✓ No		L	og Formatio	on (Top), Depth ar	nd Datum	<b>√</b> S	Sample
Samples Sent to Ge	ological Survey	☐ Ye	s ✓ No		Nam	е		Тор	C	atum
Cores Taken		Ye	s ✓ No		See	Attached				
lectric Log Run (Submit Copy)		✓ Ye	s No							
ist All E. Logs Run:										
High Resolution Dual Induction	Compensated De	ensity Ne	eutron &							
		Report	CASING I		Ne urface, inte	w Used ermediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		Casing (In O.D.)	Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used		nd Percent Iditives
Pro	d 11"		8 5/8"			42'	Class A	20		
Su	rf 6 3/4"		4 1/2"		10.5#	1302'	50/50 Poz	160	See A	ttached
Company of the same of the sam			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD		<del></del>		
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sacks	Used		Type and Pe	rcent Additives		
Protect Casing Plug Back TD Plug Off Zone									·	
Shots Per Foot			) - Bridge Plugs ach Interval Perf				ture, Shot, Cement Sount and Kind of Mate		đ	Depth
4		1147	'-1149', Set	CIBP @	1126'	300 gal	10% HCI, 307	2# sd, 295	BBL fi	
4				84	5'-847'	300 gal	10% HCI, 171	5# sd, 245	BBL fl	
4			<del> </del>	781.	5'-783'	300 gal	10% HCI, 231	0# sd, 270	BBL fl	
4	, 			76	0'-763'	300 gal	10% HCI, 625	5# sd, 410	BBL fl	
TUDINO RECORD	Sin-	0-1.01		D1 4		Lines Dece				** /
TUBING RECORD	Size 2 3/8"	Set At 1088	•	Packer A NA	i	Liner Run	Yes ✓ No			
Date of First, Resumed	Production, SWD or En	hr.	Producing Metho	bd	Flowing	√ Pumpin	g Gas Lift	Othe	er (Explain)	
Estimated Production		3bls.	Gas I	Mcf	Wate		<del>-</del>	s-Oil Ratio	- · · · ·	Gravity
Per 24 Hours	NA		1			29		NA		NA
Disposition of Gas	METHOD OF C	OMPLETION	1			Production Interv	al 			
Vented ✓ Sold (If vented, Su	Used on Lease mit ACO-18.)	ſ	Open Hole Other (Specify	Perf.	. D	ually Comp. [	Commingled			

#### McPherson Drilling LLC Drillers Log

 Rig Number:
 1
 S. 3
 T. 32
 R. 15

 API No.
 15 125-30418
 County:
 MG

 Elev.
 768'
 Location:

Operator: Dart Cherokee Basin Operating Co. LLC

Address: 3541 CR 5400

Independence, KS. 67301

Well No: D1-3 Le

Well No: D1-3
Footage Location:

Lease Name: J. Springer Trust
633 ft. from the South Line

4620 ft. from the East Line

Drilling Contractor: McPherson Drilling LLC

Spud date: 6/2/2004

6/2/2004 Geologist:

Date Completed: 6/3/2004 Total Depth: 1306'

Casing Record			Rig Time:	
	Surface	Production		
Size Hole:	11"	6 3/4"		
Size Casing:	8 5/8"		<u> </u>	
Weight:	20#			
Setting Depth:	44'	McPherson		
Type Cement:	Port			
Sacks:	2	McPherson	Andy Coats -	Driller

i	
ì	•
I .	
I	
O	
Comments:	
start injecting 🙈	י אחרי
start injecting @	, <b>2</b> 00

Gas Tests:

				Well Log				
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.
soil	0	10	shale	630	697		•	l
gravel	10	19	1st Oswego	697	724			
shale	19	50	Summit	724	739			
sand	50	64 no sho	2nd Oswego	739	757			
shale	. 64	117	Mulky	757	764			
lime	117	138 wet	3rd Oswego	764	771			
shale	138	182	shale	771	778			
lime	182	231 wet	coal	778	780			
sand shale	231	301	shale	780	798			
shale	301	307	coal	798	800			
lime	307	317 wet	sand shale	800	839			
shale	317	414	coal	839	841			
lime	414	453	shale	841	862			
sand shale	453	459	coal	862	863			
lime	459	462	sand shale	863	914			
shale	462	500	coal	914	917			
coal	500	502	shale	917	967			
sand	502	581	coal	967	969			
sand shale	581	600	sand shale	969	998			
coal	600	602	coal	998	999			
shale	602	605	sand shale	999	1147			
pink lime	605	624	coal	1147	1151			
shale	624	628	shale	1151	1165			
coal	628	630	Mississippian	1165	1306 TD			



# 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

TICKET NUMBER

23828

LOCATION Bartlesville

# FIELD TICKET

DATE CU 6-2-04 2	STOMER ACCT # WELL N	NAME OTRIOTA	SECTION?	TWP	RGE 15E	Montgomery	FORMATION
CHARGE TO	Dart		OWNER			701.00	
MAILING ADDRESS			OPERATOR				
CITY & STATE	. :		CONTRACTO	OR			
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION C	OF SERVICES (	OR PRODU	СТ	UNIT PRICE	TOTAL AMOUNT
5401	/	PUMP CHARGE Sug	face	رعح	<u>'</u> ^9		615,00
	TE =		2		<del></del>		
	3 0 6		1				
	2 0 9		i. 				
	3 7 5		i i				.,
1123	्र ग्रहें ठिखें व	City Wa	ter				28.13
	3		· ·				
	2		9 	· · · · · · · · ·			
<							
	,					,	
	7		7 40.				
	0		<u> </u>				
5401	C .	BLENDING & HANDLING TON-MILES	<u>í</u> 34	***			100.00
5 907	m,n	STAND BY TIME	<del>1</del>				190.00
		MILEAGE					
		WATER TRANSPORTS	7				
5502 C	Yhrs	VACUUM TRUCKS	:			•	300,00
			4. 4.				
1126	40sks	CEMENT	i i				452.00
			i.			SALES TAX	25.45
Ravin 2790 ·	1	·				ESTIMATED TOTAL	1620.58

Ravin 2790	,	ESTIMATED TO	TAL 1620.58
CUSTOMER OF AGENTS SIGNATURE William	Day CISTOREMAN	Juan d. 2)	Mama.
	ř		1003
CUSTOMER or AGENT (PLEASE PRINT)		DATE	
			$\mathcal{A}_{\mathcal{A}}$

CONSOLIDATED OIL WELL SERVICES, INC. 211 W 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

TICKET NUMBER 31379

LOCATION Bartlesville

FOREMAN Tracy Williams

# TREATMENT REPORT

				- ·				
DATE	CUSTOMER #	WELL NAME	FORMATION	] :	TRUCK #	DRIVER	TRUCK #	DRIVER
6-2-04	2368	J. Springer Tr	ct 01-3	1	418	Tim	·	
SECTION	TOWNSHIP	RANGE	COUNTY		428	Danny		
3	325	158	Montgome	y	438	Bobby		
CUSTOMER			3	γ				
$-D_{\epsilon}$	art							
MAILING ADDF	RESS							
		·						
CITY	657	1.						
		•		100				
STATE	<u> </u>	ZIP CODE		1				
+ # . c	$-\zeta_{\alpha}$	<u> </u>	<u>.</u>			TYPE OF T	REATMENT	
					SURFACE	PIPE	[ ] ACID BREA	KDOWN
TIME ARRIVED	ON LOCATION	O I			[ ] PRODUCT	ION CASING	[ ] ACID STIMU	JLATION
	WELL	DATA 4	w.	# * !	[ ] SQUEEZE	CEMENT	[ ] ACID SPOT	TING
HOLE SIZE	114 =	PACKER DEPT	Н	] [	[ ] PLUG & AE	BANDON	[ ]FRAC	•
TOTAL DEPTH	43	PERFORATION	S	]	[ ] PLUG BAC	K	[ ] FRAC + NIT	ROGEN
	•	SHOTS/FT		] r	[ ] MISP. PUM	1P	[]	•
CASING SIZE	8.5/8 (3	OPEN HOLE		] .	[ ] OTHER		[]	·
CASING DEPT	H =42	17.						
CASING WEIG	HT	TUBING SIZE		] ;		PRESSURE I	LIMITATIONS	
CASING COND	NOITION "	TUBING DEPTH	1				THEORETICAL	INSTRUCTED
	Company of the Compan	TUBING WEIGH	IT	]	SURFACE PIPE		<u> </u>	
		TUBING CONDI	TION	]	ANNULUS LONG	STRING		
TREATMENT V	/IA 🤏			j.	TUBING			
-	8	:					. ;	
INSTRUCTION	PRIOR TO JOB	Vever go	+ circ	ulation	Starte	1 ceme	nt + ran	403ks
of owc	cement	- Displa	ced to	301	+ shuti	<u>'n</u>	·	
			,	1 2			· · · · · · · · · · · · · · · · · · ·	<u></u>
	RIZATION TO PE			TITLE			DA	TE
will	- But	2				,		
TIME	STAGE	BBL'S	INJ RATE	PROPPANT	SAND/STAGE	PSI	1	
AM / PM	SIAGE	PUMPED	IINJ MATE	PPG	SAND/STAGE	roi		
							BREAKDOWN F	PRESSURE
-							DISPLACEMEN	T
		:		;			MIX PRESSURE	
							MIN PRESSURE	
				:			ISIP	
	34.2			. !			15 MIN.	
	11.1						MAX RATE	
							MIN RATE	:



#### 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

TICKET NUMBER 24974

LOCATION Bartlesville

#### **FIELD TICKET**

DATE CUST	TOMER ACCT # WELL!	VAME QTR/QTR	SECTION TWP	RGE 15E	MOAT.	FORMATION
,	A 11 —	110101				
HARGE TO	) 4R7		OWNER			·
IAILING ADDRESS	·		OPERATOR		.:	
		•	0017040700			
ITY & STATE			CONTRACTOR			
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION G	OF SERVICES OR PROD	DUCT	UNIT PRICE	TOTAL AMOUNT
	1	DINAD CHARGE	a State			675.00
5401		PUMP CHARGE ( 6	ing String			675.00
			73			
1105	1 5Ks.	(offonse	nd 4.15			1206
1107	2 5 K 5	To	3		-	75 50
11/6	16 sks	Lilsonite	:		<del>-</del>	310,41
1111	400# 8 sks	5417	· ,	<del>,</del>	7	100.00
1168	5 5KS	Premium	151		5	59.00
1117	6700 5215	City	NATED	1 3	-	15.38
4404	7	4//2/11	ubber Place			35.00
7101				<del>- (2)</del>		
				Ç	12."	
7205	11/2 901	SUDTES	vert		· · · · · · · · · · · · · · · · · · ·	37.75
7238	1561	Super Su Mud Flu	56			30.00
	<del></del>	7.75.0				
				•		
·						
				*		
		BLENDING & HANDLING				
5407	min	TON-MILES				190.00
A. Sa	1	STAND BY TIME		·		
· .		MILEAGE				
5501C	3 hrs.	WATER TRANSPORTS				240,00
.5502 L	Jhrs.	VACUUM TRUCKS				225,00
		FRAC SAND	·			
1124	160 sks	CEMENT				1056.0
				Mont.	S. Jる SALES TAX	9506
	· .					91, 3
in 2790						
12/30				1	ESTIMATED TOTAL	3272,79
		<b>†</b>		1 6	/ ) /	2209

CUSTOMER or AGENTS SIGNATURE /// C

CUSTOMER or AGENT (PLEASE PRINT)\_

CONSOLIDATED OIL WELL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

TICKET NUI	MBER	31	419	
LOCATION	Bur	Hy	·SVI	// <sub>e</sub>
FOREMAN_				

# TREATMENT REPORT

SECTION TOWNSHIP RANGE  JETOMERIA PARAGE  ZIP CODE  TYPE OF TREATMENT    1 SURFAGE PPT   1 ACID BREAKDOWN   1 ACID STRUMULATION   1	DATE	CUSTOMER#	J SILINST	FORMATION	;	TRUCK #	DRIVER	TRUCK #	DRIVER
SECTION TOWNSHIP RANGE COUNTY  32	6.404	2368			j	289	KENT		
JSTOMER  JSTOMER  JSTOMER  JSTOMER  JSTOMER  JSTOMER  JSTOMER  JACID STRATE  JACID BREAKDOWN  ME ARRIVED ON LOCATION  JSTOMER PPE  JACID BREAKDOWN  ME ARRIVED ON LOCATION  JSTOMER PPE  JACID BREAKDOWN  ME ARRIVED ON LOCATION  JSTOMER PPE  JACID BREAKDOWN  JACID SECRET (JACID STIMULATION  JSTOMER ABARDON  JSTRUCTION PASISTS  JSTACL TIME  JSTRUCTION PRIOR TO JOB  JACA DE JACA  JACA D		TOWNSHIP		COUNTY			` A '		
MILING APDRESS  TY  ATTE ZIP CODE  ME ARRIVED ON LOCATION  ME ARRIVED ON LOCAT	3.	325	15F	mont.	;	226	. /		
ALLING MEDRESS  TYPE OF TREATMENT    SURFACE PIPE   ACID BREAKDOWN   ACID	USTOMER	<u> </u>					Donnix		
TYPE OF TREATMENT    SURFACE PPF   ACID BREAKDOWN   ACID STIMULATION	/) <sub>e</sub>	4RT	· · · · · · · · · · · · · · · · · · ·						
TYPE OF TREATMENT  TYPE OF TREATMENT    SUPPRODUCTION CASING   JACID BREAKDOWN   MELL DATA   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID SPOTTING   JACID	AILING ADDF	ESS			]	,			
TYPE OF TREATMENT  TYPE OF TREATMENT    SUPPRODUCTION CASING   JACID BREAKDOWN   MELL DATA   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID STMULATION   JACID SPOTTING   JACID									
TYPE OF TREATMENT    SURFACE PIPE   ACID SHEAKDOWN	TY								
TYPE OF TREATMENT    SURFACE PIPE   ACID SHEAKDOWN			•		•			<u> </u>	<u> </u>
SURFACE PIPE     ACID BREAKDOWN   MEANTIVED ON LOCATION     MELL DATA     MELL DATA     MIX PRESSURE     ACID SPOTTING       ACID SPOTTING       ACID SPOTTING       ACID SPOTTING       ACID SPOTTING         ACID SPOTTING	ATE	· · · · · · · · · · · · · · · · · · ·	ZIP CODE						•
SURFACE PIPE     ACID BREAKDOWN   MEANTIVED ON LOCATION     MELL DATA     MELL DATA     MIX PRESSURE     ACID SPOTTING       ACID SPOTTING       ACID SPOTTING       ACID SPOTTING       ACID SPOTTING         ACID SPOTTING					2		TYPE OF TE	REATMENT	
WELL DATA  WELL DATA  DLE SIZE LATAN PACKER DEPTH  DITAL DEPTH PACKER DEPTH  DITAL DEPTH PACKER DEPTH  SHOTS/FT  SING SIZE 1/2 OPEN HOLE  SING SIZE 1/2 OPEN HOLE  SING CONDITION  TUBING SIZE  TUBING WEIGHT  TUBING CONDITION  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  THEORETICAL INSTRUCTED  CONDITION  THEORETICAL INSTRUCTED  CONDITION  THEORETICAL INSTRUCTED  THEORETICAL INSTRUCTED  THEORETICAL INSTRUCTED  CONDITION  THEORETICAL INSTRUCTED  CONDIN					· · · · · · · · · · · · · · · · · · ·	LISURFACE	- \/		KDOWN
WELL DATA  DLE SIZE WASH PACKER DEPTH  DLE SIZE WASH PACKER DEPTH  DITAL DEPTH 1301 PERFORATIONS  SHOTS/FT  USING SIZE 1/2 OPEN HOLE  SING DEPTH 1302  SING DEPTH 1302  SING WEIGHT  TUBING SIZE  TUBING WEIGHT  TUBING CONDITION  TUBING  TUBIN	ME ARRIVED		,		,		<b>(</b> )		,
DLE SIZE LAND PACKER DEPTH  DTAL DEPTH 130L  PERFORATIONS  SHOTS/FT  SING SIZE  SHORD SIZE  SHORD SIZE  SHORD SIZE  SHORD SIZE  SHORD SIZE  SHORD SIZE  TUBING SIZE  PRESSURE LIMITATIONS  SURFACE PIPE  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB  BEATMENT VIA  STRUCTION PRIOR TO JOB  STRUCTION PRIOR TO JOB  BEACH SIZE  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB  BEACH SIZE  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB  BEACH SIZE  STRUCTION PRIOR TO JOB  STRUCTION PRIOR TO JOB  BEACH SIZE  STRUCTION PRIOR TO JOB  BEACH SIZE  STRUCTION PRIOR TO JOB  STRUCTION PRIOR TO JOB  BEACH SIZE  STRUCTION PRIOR TO JOB  STRUCTION PRIOR TO JOB  STRUCTION PRIOR TO JOB  BEACH SIZE  STRUCTION PRIOR TO JOB  STRU	IVIL ATTIVLO				1		_	: .	į
PRESSURE LIMITATIONS  [ ] PLUG BACK  [ ] MISP. PUMP  [ ] OTHER  [ ] MISP. PUMP  [ ] MISP. PUMP  [ ] OTHER  [ ] MISP. PUMP	OI E 817E		1		]	1	" .		
SHOTS/FT  SING SIZE  OPEN HOLE  SING DEPTH  SING SIZE  TUBING SIZE  TUBING SIZE  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB  Langed  Debts watth 25ks st / 2k Holls, 5kb/s water + 15kb/s  BEAKING L'CL  RAN 1/O SKS  SO/SO MIX 5 bilson/k 27 cel 57 salt by F10  AUTHORIZATION TO PROCEED  TILE  AUTHORIZATION TO PROCEED  TILE  OPEN HOLE  THE CO  []  OTHER CO  []  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  TUBING  TUBING  TUBING  TUBING  STRUCTION PRIOR TO JOB  Langed  Debts water + 15kb/s  Subje water + 15kb/s  Subje water + 15kb/s  TILE  (Ement 51 PATE to pit)  MIX PRESSURE  DISPLACEMENT  MIX PRESSURE  SIP  15 MIN.  MAX RATE  MIN PATE	<del> </del>	· 1.—			}	1	رسید.،		ROGEN
ASING SIZE 11/2 OPEN HOLE  SING DEPTH 1302  SING WEIGHT TUBING SIZE  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB PUMPED  STRUCTION PRIOR TO JOB PUMPED  STRUCTION PRIOR TO JOB PUMPED  TILE  STRUCTION PRIOR TO JOB PUMPED  TILE  Lement Strape to pix  TILE  Lement Strape to pix  MIX PRESSURE  INJ RATE  POPPANT SAND/STAGE  BREAKDOWN PRESSURE  ISIP  15 MIN. 3 + 07.  MAX RATE  MIN PRATE  MIN PRESSURE  MIN PRESSURE	JIAL DEPTH	/ <i>3</i> //\L		3	† †	1 1	1 7	.e.s	HOGEN
ASING DEPTH 1302 ASING WEIGHT TUBING SIZE  SING CONDITION  TUBING DEPTH  AO, 7 BWS  TUBING WEIGHT  TUBING CONDITION  REATMENT VIA  STRUCTION PRIOR TO JOB  FUMPED  TO SKS SO SO MAKE SISSEMENT SANDY SANDY STAGE  TIME  TIME  STAGE  BBLS  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  TUBING  TUBING  TUBING  TUBING  TUBING  TUBING  TUBING  TO SKS SO SO MAKE SISSEMENT SANDY BY ETG  STAGE BBLS  PRESSURE  INJURATE PROPPANT SANDY STAGE  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  ISIP  15 MIN. 37-71.  MAX RATE  MIN RATE	00000075	107-	<del> </del>	<u> </u>	1	1			
SING WEIGHT: TUBING SIZE  SING CONDITION  TUBING DEPTH  ANNULUS LONG STRING  TUBING  STRUCTION PRIOR TO JOB  LUMBER 1/2 KAN 1/0 SKS 50/50 M/K 5 6/1/2 K Holls, 585/5 water + 1/5 M/K  BIEAKING 1/2 KAN 1/0 SKS 50/50 M/K 5 6/1/2 K Holls, 585/5 water + 1/5 M/K  AUTHORIZATION TO PROCEED  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  MIN PRESSURE LIMITATIONS  THE PRESSURE LIMITATIONS  THE STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  MIX PRESSURE			OPEN HOLE		7	[ ]OTHER			
ASING CONDITION  TUBING DEPTH  TUBING WEIGHT  TUBING CONDITION  MEATMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 at 1 2k Halls, 5 bbs water + 15 Mbs.  BEALTMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 at 1 2k Halls, 5 bbs water + 15 Mbs.  BEALTMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 at 1 2k Halls, 5 bbs water + 15 Mbs.  BEALTMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 at 1 2k Halls, 5 bbs water + 15 Mbs.  BEALTMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 at 1 2k Halls, 5 bbs water + 15 Mbs.  BEALTMENT VIA  TIME STAGE BBL'S INJURATE PROPPANT SAND/STAGE PSI  TIME STAGE BBL'S INJURATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  MIN PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE					, ,		-		<u> </u>
TUBING WEIGHT TUBING CONDITION  REATMENT VIA  STRUCTION PRIOR TO JOB Pumped 10 Bits, WATER 25k5 gt 1 2k Halls, 5 Bits water + 15 Min.  BEACH CITC. Ran 160 SK3 50 150 Mix 5 bits water + 15 Min.  BEACH CONDITION PRIOR TO JOB Pumped 10 Bits, WATER 25k5 gt 1 12k Halls, 5 Bits water + 15 Min.  BEACH CONDITION PRIOR TO JOB Pumped 10 Bits, WATER 25k5 gt 1 12k Halls, 5 Bits water + 15 Min.  BEACH CONDITION TO PROCEED  TITLE  TIME STAGE BBL'S INJURATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  ISIP  15 MIN. 33-07.  MAX RATE  MIN RATE			1 : "				PRESSURE L	T.	
TUBING CONDITION  ANNULUS LONG STRING  TUBING  TUBING  TO AN APPLIED  AND ANDULUS LONG STRING  TO ANDULUS LONG STRING  TUBING  TO ANDULUS LONG STRING  TUBING  TO ANDULUS LONG STRING  TO ANDULUS LONG STRING	ASING COND	ITION	1		,			THEORETICAL	INSTRUCTED
TUBING  STRUCTION PRIOR TO JOB Pumped 10 Bbs, WATER 25k5 gt 1 3k Holls, 5bbs water + 15 Mbs.  C Breaking 1. C. Ran 160 5k5 50 150 m/x 5 61 south 27 cel 57 5ALT 14 Fto  3.5 ft 5 m t Jown Washed Pehend Plus Doum Dlus Wosh up 1 - cu to 15  AUTHORIZATION TO PROCEED  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  AM/PM PUMPED INJ RATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  ISIP  15 MIN. 37 79.  MAX RATE  MIN RATE  MIN RATE	20,7	1 BN5	<del>†</del> .						
STRUCTION PRIOR TO JOB Pumped 10 bbs, water 25ks gr 1 1 2k Holls, 5 bbs water + 15 kbs, c breaking 1. rc. Kan 160 sks 50/50 m/x 5t bilsonik 276 cel 576 salt by 50 8,5 fb s water + 15 kbs, authorization to proceed title (ement simpate to pix.)  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI BREAKDOWN PRESSURE DISPLACEMENT MIX PRESSURE  MIN PRESSURE  JISH  JISHIN. J. J. J. J. MAX RATE  MIN RATE  MIN RATE  MIN RATE		www.	TUBING CONDI	TION	"	1	STRING		
Breaking 1. C. Ran 160 sks 50/50 mix 5t 6/sonth 276 cel 576 salt by the  8.5 ph 5 hmt down Washed behand play primp plus Wosh up 1:-culated 15  AUTHORIZATION TO PROCEED  TITLE  Cement shipaye to pix.  Dolyt Comp. Sapt 6-4-04  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  MIN PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE	REATMENT V	IA ·	·			TUBING		<u> </u>	
Breaking 1. C. Ran 160 sks 50/50 mix 5t 6/sonth 276 cel 576 salt by the  8.5 ph 5 hmt down Washed behand play primp plus Wosh up 1:-culated 15  AUTHORIZATION TO PROCEED  TITLE  Cement shipaye to pix.  Dolyt Comp. Sapt 6-4-04  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  MIN PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE			1		*		2		
AUTHORIZATION TO PROCEED  AUTHORIZATION TO PROCEED  TITLE  Output Coup, sages  Time Stage BBL'S INJ RATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE	STRUCTION	PRIOR TO JOB	Pumped	10 Bbs W	ATER 2	sks gr/ 12	K Hulls,		41
AUTHORIZATION TO PROCEED  TITLE  ONLY COMP. SEASON  TIME STAGE BBL'S PUMPED PPG  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  SIP  15 MIN.  MAX RATE  MIN RATE  MIN RATE	K Break	king sirce	Ran /	60 sKs	50/50	M.X 5 61	1/500 /K 2/2	(e) 5% 5A	14 /4 F10
TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE	3.5000	5hut	down Wa	shed be	hand plu	5 DOLLARD	Dlug Wash	1	
TIME AM / PM STAGE BBL'S PUMPED INJ RATE PROPPANT SAND / STAGE PSI  BREAKDOWN PRESSURE  DISPLACEMENT  MIX PRESSURE  MIN PRESSURE  ISIP  15 MIN.  MAX RATE  MIN RATE	AUTHO	RIZATION TO PE	ROCEED			/S -	( *		
AM/PM PUMPED PPG BREAKDOWN PRESSURE DISPLACEMENT MIX PRESSURE MIN PRESSURE ISIP 15 MIN. 33-09. MAX RATE MIN RATE	MCKE	Ja Ko	ll				21	6-4-	04
AM/PM PUMPED PPG BREAKDOWN PRESSURE DISPLACEMENT MIX PRESSURE MIN PRESSURE ISIP 15 MIN. 33-09. MAX RATE MIN RATE	TIME (	//  / STAGE	I BBI'S I	INILDATE	/ PROPPANT	I SAND (STAGE I	. DCI	1	
DISPLACEMENT MIX PRESSURE MIN PRESSURE ISIP 15 MIN. 13-09. MAX RATE MIN RATE	ų	STAGE		INU DATE		SAND/STAGE	F31	İ	
MIX PRESSURE  MIN PRESSURE  ISIP  15 MIN. 33-09.  MAX RATE  MIN RATE			1		j.			BREAKDOWN P	RESSURE
MIN PRESSURE ISIP 15 MIN. 33-09. MAX RATE MIN RATE					i			DISPLACEMENT	r
MIN PRESSURE ISIP 15 MIN. 33-09. MAX RATE MIN RATE					ì				41 7
ISIP   15 MIN. 33-09.   MAX RATE   MIN RATE					<del>,</del>		,		
15 MIN. 33-09. MAX RATE MIN RATE			:						
MAX RATE MIN RATE									7279
MIN RATE								· · · · · · · · · · · · · · · · · · ·	JJ 9 10
	<del></del>				<u> </u>				
								MIN RATE	