### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

OPIO September 1999
Form Must Be Typed

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

Operator: License # 33233	API No. 15 - 131-20184-00-40
Name: Heartland Oil and Gas, Inc.	County: Nemaha
Address: c/o BAM Energy, Inc. 6286 East Long Circle North	SWSESec12Twp3S. R14
City/State/Zip: Englewood, Colorado 80112	580 feet from S N (circle one) Line of Section
Purchaser: none	1980 feet from E / W (circle one) Line of Section
Operator Contact Person: Bill Hayworth	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 221-4768	(circle one) NE (SE) NW SW
Contractor: Name: Gulick Drilling, Inc.	Lease Name: Georg Well #: 15-12
License: 32854	Field Name: wildcat
Wellsite Geologist: Chris Ryan - Atoka Coal Labs	Producing Formation: SWD - Arbuckle
Designate Type of Completion:	Elevation: Ground: 1288' Kelly Bushing: 1296'
New Well Re-Entry Workover	Total Depth: 4183 Plug Back Total Depth: open hole
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented atFeet
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 tosx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride contentppm Fluid volumebbls
Plug Back Total Depth	Dewatering method used evaporation RECEIVED
Commingled Docket No	KANSAS CORPORATION COMMIS  Location of fluid disposal if hauled offsite:
Dual Completion Docket No	
Other (SWD or Enhr.?) Docket No	Operator Name.
4/12/04 4/24/04 7/14/04	Lease Name: License NoCONSERVATION DIVISION
Spud Date or Recompletion Date  Date Reached TD Completion Date or Recompletion Date	Quarter Sec TwpS. RWCHITCHESWest
recompletion bate	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 1	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.
All requirements of the statutes, rules and regulations promulgated to regulaterein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: 1 Squits	KCC Office Use ONLY
Title: Consulting Engineer Date: 4/20/09	Letter of Confidentiality Received
Subscribed and sworn to before me this day of	If Denied, Yes Date:
2004	Wireline Log Received
$\frac{1}{2}$	Geologist Report Received
Notary Public: VIAVE CONTROL CO.	UIC Distribution

Date Commission Expires:

Protect Casing	10p Bottom				Type and Percent Additives						
Protect Casing	TOP BOTTOM	Depth Type of Cement Top Bottom				Type and Percent Additives					7
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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Fach Interval Perforated					Acid, Fracture, Shot, Cement Squeeze Record					] '
Shots Per Pool	Specify Footage of Each Interval Perforated					(Amount and Kind of Material Used) De					
Open	Open hole from 4076' - 4183'				24 bbls 15% HC			<del></del>			1
Open					24 bbls 15%		5% HCL			open hole	_
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		•		1		40/6-		_			
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		4028'	4028'			Ye	s 🗹 No				
	110	4028	4028			i Li te	s No				.] .
Date of First, Resumerd Product	tion, SWD or En	hr. Produci	ing Method				•				1
	04 SWD	1100001	ing Method	Flowin	ng Pum	nina	□ Good if		or '/Eval	(nin)	
8/04/0	94 SWD			L] Flowin	g ∐Pum	ping 1	Gas Lif	t 💆 Oth	er (Expla	ain)	
Estimated Production	Oil B	lbis. Gas	s Mcf	Wat	Or .	Bbls.		ias-Oil Ratio	<del></del>		
Per 24 Hours		Gas	, IVICI					ias-Uli Malio			<b>.</b> .
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Disposition of Gas N			1	****	,	DDIS.		nknown		unknown	

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

#### TREATMENT REPORT

TICKET NUMBER 23134

LOCATION Ottawa

FOREMAN Alan Mader

	SECTION TWP RGE COUNTY FORMATION
DATE CUSTOMER ACCT # WELL NAME OTR/QTR	SECTION TWP RGE COUNTY FORMATION
CHARGETO Heartland Oil + Gos	OWNER KANSAS CORPORATION C
MAILING ADDRESS 6286 E Long circle North	OPERATOR Layle Robb SEP 2.9.20
erry Engle wood	CONTRACTOR Gullick  CONSERVATION DIVIS
TATE LO ZIP CODE 80112	DISTANCE TO ECCATION 1/5 M/18/3 WICHITA KS
IME ARRIVED ON LOCATION WELL DATA	TIME LEFT LOCATION
HOLE SIZE 77/3	TYPE OF TREATMENT
TOTAL DEPTH 4183	
7/2	[ ] SURFACE PIPE [ ] ACID BREAKDOWN
CASING SIZE 76 CASING DEPTH 40 76	PRODUCTION CASING [] ACID STIMULATION
CASING WEIGHT + 12' land Sup	[ ] SQUEEZE CEMENT [ ] ACID SPOTTING
CASING CONDITION	[]PLUG & ABANDON []FRAC
	[ ] PLUG BACK [ ] FRAC + NITROGEN ,
UBING SIZE UBING DEPTH	
UBING WEIGHT	
UBING CONDITION	[ ] OTHER [ ] NITROGEN
NV 1601 - 27191	- 1
PACKER DEPTH UV 100L - 2/19	PRESSURE LIMITATIONS
PERFORATIONS	THEORETICAL INSTRUCTED
SHOTS/FT	SURFACE PIPE ANNULUS LONG STRING
OPEN HOLE	TUBING
REATMENT VIA	
	cenient casing with Du tall
NSTRUCTION PRIOR TO JOB 386 AMADO 369 RAID	use DWC both stages ( Portland, 690 gyps
	a(1.270gel) with 1/4 # flo-seal.
365 Blubel 144 1+ Been 18 VALA   270C	
NOS BOL	MARY MIX @ 14.7 PPG. Yield of 1.44
$\mathcal{L}_{\mathcal{L}}$	+ Dump 20 libit and flush followed by 1355x
	+ pump 20661 mnd flush followed by 1325x
coment mixed with bacteriacide water.	all topsup fump bottom plus to 10 ci
30 DOI HIL WATER + 67,3 DOI drill mad Dis	
iti 950 PSI Girculate with ris for	or 4 pig. Mixt pump 20 bbl mud flugh, to
by 308 cy cament with bacteriacide	water followed our and oumped to
DV tool with 67 bbl 1666 rater. Tool	closed with 1000 PSI, Released
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27 633076	
PRESSURE SUMMARY	TREATMENT RATE
BREAKDOWN or CIRCULATING psi	BREAKDOWN BPM \$115+ PULS AUDIO 11,500,117
INAL DISPLACEMENT psi	INITIAL BPM SECOND D'49. down 1.M
NNULUS psi MAXIMUM psi	FINAL BPM MINIMUM BPM
//////////////////////////////////////	MAXIMUM BPM
AVERAGE psi SIP psi	AVERAGE BPM
MIN SIP psi	
15 MIN SIP psi	2.75
AUTHORIZATION TO PROCEED	TITLE DATE
- Andria	7/24/04
ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INC	CORPORATED AS PART OF THIS SALE.

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

TICKET NUM	MBER _	<u> 29</u>	072	
LOCATION	0+	tui	wa	.,
FOREMAN	Bill	12	a6e1	

15 MIN.

MAX RATE

MIN RATE

## TREATMENT REPORT

DATE CUSTOMER # WELL NAME FORMATION 4/304 3576 \$\frac{\cuperbox{V} \cuperbox{V} \cu									
#13-04 3576   COUNTY   SECTION TOWNSHIP RANGE COUNTY   2 3 6 8 As an # # # # # # # # # # # # # # # # # #	DATE	CUSTOMER #		FORMATION		TRUCK #	DRIVER	TRUCK #	DRIVER
SECTION TOWNSHIP RANGE COUNTY  12 3 14 MM  CUSTOMER  HEACH LAND O, HE GAS  MAILING ADDRESS  C 2 8 G E LONG CITCLE North  COTY  Engle wood  STATE  C 0 801/2  TIME ARRIVED ON LOCATION  WELL DATA  HOLE SIZE 12/1/ PACKER DEPTH  TOTAL DEPTH 2 87/2 PERFORATIONS  SHOTS/FT  CASING SIZE 9/1/ OPEN HOLE  CASING DEPTH 2 7/2 TUBING DEPTH  SUBSIG CONDITION  TUBING DEPTH  TUBING CONDITION  TUBING SIZE  PRESSURE LIMITATIONS  ANNULUS LONG STRING  TUBING  TUBING CONDITION  THEOATMENT VIA  DEPTH 2 1/2 SECONDITION  THEOATMENT VIA  C'TC WALL OF A CONTROL  AUTHORIZATION TO JOB  C'TC WALL OF A CONTROL  AUTHORIZATION TO PROCEED  WITH  TIME STAGE  PUMPED  TIME  TIME  TIME  TIME  STAGE  PUMPED  TIME  TOWN THE STAGE  PUMPED  TOR STAGE  PUMPED  TIME  DATE  1/00pst MX PRESSURE  MIN PRESSURE		3576	Ge019			369	Brud W		
CUSTOMER  HEACT CONT. TO THE ARRIVED ON LOCATION  WELL DATA  HOLE SIZE 1211 PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  CASING SIZE 8516 OPEN HOLE  CASING OPEN HOLE  CASING CONDITION  TUBING SIZE  TUBING SIZE  ANNULUS LONG STRING  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  TUBING CONDITION  TREATMENT VIA D. p1 = 2641  TO SELL AS A PACKER SEPTH  ANNULUS LONG STRING  TUBING  TUBI	112			COUNTY	<u>.</u>			,	
CUSTOMER  HEAT HAND ON FEBSURE LIMITATIONS  TIME ARRIVED ON LOCATION  WELL DATA  HOLE SIZE 12 / PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  CASING SIZE 8/B OPEN HOLE  CASING ONDITION  TUBING CONDITION  TUBING CONDITION  TUBING CONDITION  TREATMENT VIA 0 / 1 = 2641  CYCOLOGY OF RELEASED  AUTHORIZATION TO JOB  CYPE OF TREATMENT  TUBING CONDITION  TREATMENT VIA 0 / 2 = 2641  CYPE OF TREATMENT  TUBING CONDITION  TREATMENT VIA 0 / 2 = 2641  CYPE OF TREATMENT  TUBING SIZE 8/B OPEN HOLE  CASING BETH 272 / 4 PROCEED  THEORETICAL INSTRUCTER  SURFACE PIPE  ANNULUS LONG STRING  TUBING CONDITION  TREATMENT VIA 0 / 2 = 2641  ANNULUS LONG STRING  TUBING CONDITION  TREATMENT VIA 0 / 2 = 2641  ANTHORIZATION TO PROCEED  AUTHORIZATION TO PROCEED  TITLE  DATE  4-13-04  TIME  TIME  STAGE  BBL CENEAR PSI  BB		3	14	NM	; ;				
MAILING ADDRESS  CD 86 F Long Circle North  CITY  Engle wood  STATE  CO 80/1/2  TIME ARRIVED ON LOCATION  WELL DATA  HOLE SIZE /2 1/4 PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTSITT  CASING SIZE 956 OPEN HOLE  CASING WEIGHT  TUBING SIZE  CASING ONDITION  TUBING CONDITION  TUBING CONDITION  TREATMENT VIA  DISTRUCTION PRIOR TO JOB  CITCULATED DYE RELEASED  AUTHORIZATION TO PROCEED  AUTHORIZATION TO PROCEED  AUTHORIZATION TO PROCEED  TITLE  TIME  TIME  STAGE  BBLS  SEP 2 9 2004  CONSTRUCTION COM  CONSTRUCTION COM  CONSTRUCTION COM  TYPE OF TREATMENT  TYPE OF TREATMENT  TYPE OF TREATMENT  ( ) ACID BREAKDOWN  ( ) JACID STIMULATION  [ ] PRODUCTION CASING	<u> </u>		<u></u>			372 "			
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STATE  CO  SOLIZ  TYPE OF TREATMENT  TYPE OF TREATM	MAILING ADDRES	SS	<u></u>		÷	31 1		SI	P 2 9 2004
STATE  CO  SOLIZ  TYPE OF TREATMENT  TYPE OF TREATM	62	86 E	Luncol	de North					
TYPE OF TREATMENT  THE ARRIVED ON LOCATION  WELL DATA  HOLE SIZE /2 1/1/ PACKER DEPTH  TOTAL DEPTH / 38 7 PERFORATIONS  SHOTS/FT  CASING SIZE 85/6 OPEN HOLE  CASING CONDITION  TUBING CONDITION  TUBING CONDITION  TREATMENT VIA D. p = 264/1  TOTAL DAY  TYPE OF TREATMENT  TUBING SIZE  PRESSURE LIMITATIONS  SHOTS/FT  TUBING CONDITION  TUBING SIZE  TUBING CONDITION  TREATMENT VIA D. p = 264/1  TOTAL DEPTH /2 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4 /4			20119011	(/ ( ) 00,		H H		CONS	
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TIME ARRIVED ON LOCATION  WELL DATA  HOLE SIZE /2 / // PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTS/FT  CASING SIZE 8 / 8 OPEN HOLE  CASING DEPTH 27 / 1/4  CASING WEIGHT  TUBING CONDITION  TREATMENT VIA  TREATMENT VIA  TO IS BE HOLE  CITCULA HOLE  CITCULA HOLE  CITCULA HOLE  AUTHORIZATION TO PROCEED  WELL DATA  [ ] PRODUCTION CASING [ ] ACID BREAKDOWN  [ ] PRODUCTION CASING [ ] ACID BREAKDOWN  [ ] PRODUCTION CASING [ ] ACID BREAKDOWN  [ ] PRODUCTION CASING [ ] ACID STIMULATION  [ ] PRUG & ABANDON [ ] FRAC  [ ] PLUG & BACK [ ] FRAC + NITROGEN  [ ] PLUG BACK [ ] FRAC	STATE	1/2 00.0		0					
TIME ARRIVED ON LOCATION  WELL DATA  HOLE SIZE /2'/4 PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTS/FT  CASING SIZE 856 OPEN HOLE  CASING SIZE 856 OPEN HOLE  CASING CONDITION  TUBING SIZE  TUBING CONDITION  TUBING CONDITION  TREATMENT VIA  PRESSURE LIMITATIONS  TREATMENT VIA  PRESSURE LIMITATIONS  TREATMENT VIA  PRESSURE LIMITATIONS  TREATMENT VIA  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTER  SURFACE PIRE  ANNULUS LONG STRING  TUBING  THEORETICAL INSTRUCTER  TUBING  THEORETICAL INSTRUCTER  TOTAL VICTOR  THEORETICAL INSTRUCTER  TOTAL VICTOR  THEORETICAL INSTRUCTER  TOTAL VICTOR  TOTAL V	. (	20.	80	112	. 4	V.	TYPE OF TR	EATMENT	
WELL DATA  HOLE SIZE /2 /// PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTS/FT  CASING SIZE 85/8 OPEN HOLE  CASING DEPTH 272.69  CASING CONDITION  TUBING DEPTH  TUBING CONDITION  TREATMENT VIA D: p1 = 264/  INSTRUCTION PRIOR TO JOB  C'IC CALLED DYE RE LEASED 85/8 DYE PROPANT SAND/STAGE PSI  AUTHORIZATION TO PROCEED  MINE STAGE  BBL'S  PRESSURE LIMITATIONS  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] MISP. PUMP [ ]  [ ] OTHER!  [ ] OTHER!  [ ] SUBERCK [ ] FRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PRAC + NITROGEN  [ ] PLUG & ABANDON [ ] FRAC [ ] PLUG BACK [ ] MISP. PUMP [ ] OTHER!  [ ] OTHER!  [ ] OUPST MIX PRESSURE  MIN PRESSURE  MIN PRESSURE  MIN PRESSURE						SURFACE	PIPE	[ ] ACID BREA	AKDOWN
WELL DATA  HOLE SIZE /2 // PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTS/FT  CASING SIZE 8/8 OPEN HOLE  CASING DEPTH 272/4  CASING GONDITION  TUBING SIZE  TUBING CONDITION  TREATMENT VIA D. D = 2041  INSTRUCTION PRIOR TO JOB  CICCULATED DYE PRESENCE CEMENT [] PLUG & ABANDON [] FRAC  []	TIME ARRIVED O	N LOCATION				[ ] PRODUCT	ION CASING	[ ] ACID STIM	ULATION
HOLE SIZE 12/4/ PACKER DEPTH  TOTAL DEPTH 287 PERFORATIONS  SHOTS/FT  CASING SIZE 85/8 OPEN HOLE  CASING DEPTH 272/49  CASING WEIGHT  CASING CONDITION  TUBING SIZE  TUBING CONDITION  TREATMENT VIA  TOTAL DEPTH  TOTAL DEPTH  TUBING CONDITION  TREATMENT VIA  TOTAL DEPTH  TOTAL DE	THATE AND THE PERSON OF THE PE		DATA		•	[ ] SQUEEZE	CEMENT	[ ] ACID SPO	TTING
TOTAL DEPTH 287 PERFORATIONS SHOTS/FT SHOTS/FT SHOTS/FT  CASING SIZE 8/8 OPEN HOLE  CASING DEPTH 272.49  CASING WEIGHT CASING CONDITION TUBING SIZE  TUBING WEIGHT TUBING WEIGHT TUBING CONDITION TUBING CONDITION TREATMENT VIA  TREATMENT VIA  TREATMENT VIA  TOTAL DEPTH THEORETICAL INSTRUCTED  SURFACE PIRE ANNULUS LONG STRING TUBING TO JOB  TOTAL DEPTH SURFACE PIRE ANNULUS LONG STRING TUBING TU	HOLE SIZE	121/4		Н	[ .	[ ] PLUG & AE	BANDON	[ ]FRAC	
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CASING DEPTH 272.49  CASING WEIGHT  CASING CONDITION  TUBING DEPTH  SURFACE PIRE  ANNULUS LONG STRING  TUBING CONDITION  TREATMENT VIA  TOUR 15 BB H20 Alea Followed Bx BBL Dye maker Mixel + Properties  INSTRUCTION PRIOR TO JOB 162 SX FOOTH AND A 1/2/6/6/3/10cal, /4/floscal,  Circulated Dye; Released 8 fr Plung + Displaced with 16.  Olean H20 Circulated T BBL Cement Relians, Shut in  AUTHORIZATION TO PROCEED  Well Fellback 20' Left Sx Ocy Pile.  TIME  AM/PM  TIME  STAGE  BBL'S  PRESSURE LIMITATIONS  PRESSURE LIMITATIONS  PRESSURE LIMITATIONS  SURFACE PIRE  ANNULUS LONG STRING  TUBING  TUBING  TUBING  TUBING  TOUR 1/4/floscal,  Alford  DATE  4-13-04  BREAKDOWN PRESSURE  PIUS DOWN  MIX PRESSURE  MIN PRESSURE		<u> </u>	SHOTS/FT		Î	[ ] MISP. PUN	MP .		
CASING DEPTH 272.49  CASING WEIGHT  CASING CONDITION  TUBING DEPTH  SURFACE PIPE  TUBING CONDITION  TREATMENT VIA  TOUR 15 BB H20 A) earl Followed Bx & BBL Dye marker Mixel + Proposition  INSTRUCTION PRIOR TO JOB  Circulated Dye; Released 8 9x Plans + Displaced with 16.  Clean H20 Circulated T BBL Cement Returns, Shat in Authorization to proceed  Well Felback 20 Left Sx Dcy Pile;  TIME  AM/PM  TIME  STAGE  BBL'S  PRESSURE LIMITATIONS  PRESSURE LIMITATIONS  THEORETICAL INSTRUCTED  SURFACE PIPE  ANNULUS LONG STRING  TUBING  TOUR AND  TO	CASING SIZE	85/8	OPEN HOLE			[ ] OTHER	· ·	[1]	·
CASING WEIGHT  CASING CONDITION  TUBING DEPTH  TUBING CONDITION  TUBING CONDITION  TUBING CONDITION  TUBING CONDITION  TUBING CONDITION  TREATMENT VIA  D. D. 1 = 2644  TUBING									
CASING CONDITION  TUBING DEPTH  SUBJECT CONDITION  TUBING CONDITION  TREATMENT VIA  DISPLAY  TUBING CONDITION  TREATMENT VIA  DISPLAY  TUBING CONDITION  TREATMENT VIA  DISPLAY  TUBING  TUBING TUBING TO TUBING  TUBING  TUBING  TUBING  TUBING  TUBING  TUBING TO TUBING TO	-		TUBING SIZE				PRESSURE L	T	· ·
TREATMENT VIA  TUBING CONDITION  TREATMENT VIA  TOBING CONDITION  TREATMENT VIA  TOBING CONDITION  TREATMENT VIA  TOBING CONDITION  TUBING  TU			TUBING DEPT	1		i		THEORETICAL	INSTRUCTED
THE STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  TIME STAGE BBL'S PUMPED  TIME STAGE BBL'S PUMPED  TIME STAGE BBL'S PUMPED  TIME AM/PM  TUBING  ANNULUS LONG STRING  TUBING	566 =	12"	TUBING WEIGI	-IT		SURFACE PIRE			
INSTRUCTION PRIOR TO JOB // S & POCHLOND A, 2/0 Gel, 3/0 Cal, 1/4/16 Scal,  Circulated Dye, Released 8/8 Plug + Displaced with 16,  Clean H20. Circulated 7 BBL Cement Returns, Shut in  AUTHORIZATION TO PROCEED  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  AM/PM PUMPED PPG  M, & & D 1/1 8 PPG  DISPLACEMENT  Plug Down, 3:30/M.  100/pst MIX PRESSURE  MIN PRESSURE						ANNULUS LONG	STRING		
INSTRUCTION PRIOR TO JOB // S & POCHLOND A, 2/6 Gel, 3/6 Cal, 1/4/6 Scal,  Circulated Dye, Released 8/8 Plug + Displaced with 16,  Clean H20. Circulated 7 BBL Cement Returns, Shut in  AUTHORIZATION TO PROCEED  TITLE  DATE 41-13-04  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  PUMPED PPG  M, & to Do 1/4 8 PPG  DISPLACEMENT  Plug Down, 3:30/M.  100/pst MIX PRESSURE  MIN PRESSURE	TREATMENT VIA	Dist	01 = 269	//		TUBING			
INSTRUCTION PRIOR TO JOB 162 St. DOLLAR H. JOSEPH J	2 ICRA	1 H20 A	Dail F	allowal	Box 8	BBL DY	e marker	1 11 11	+ Mumps
CICCULATED Dye Released 8 % Pling t Displaced with 160 Olean H20. CICCULATED BBL Cement Returns, Shut in Authorization to proceed TITLE DATE 1-13-04  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI BREAKDOWN PRESSURE USE 16 OF 1035 DISPLACEMENT  Plus DUWN: 3:30/M. 100/pst MIX PRESSURE  MIN PRESSURE	INSTRUCTION PF	NOR TO JOB	162	SX R	nione	1 1010	021/313	1 1177 103	(~//
AUTHORIZATION TO PROCEED  AUTHORIZATION TO PROCEED  Well Fell Back 20' Ledt Sex Ory Pile,  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI AM/PM PPG  MIXED OF 1035  BREAKDOWN PRESSURE  Plus Down 3:30AM.  MIN PRESSURE		7 // .			85/	8 Plug Y	- Displ	uced L	Jith 16,
AUTHORIZATION TO THOSELD  Well Fell Back 20' Ledt SSX Ory Pile:  TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  PUMPED PPG  BREAKDOWN PRESSURE  Usild of 1035  DISPLACEMENT  Plus DOWN: 3:30AM.  MIN PRESSURE  MIN PRESSURE			irculas	1-d 7	7 BB	RL Ceme	nt Return		
TIME STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  MIN TO DIA PPG  BREAKDOWN PRESSURE  Lild of 1035  DISPLACEMENT  Plus Down 3:30AM.  MIN PRESSURE	AUTHORI	ZATION TO PE	ROCEED				•		ATE
TIME AM/PM STAGE BBL'S INJ RATE PROPPANT SAND/STAGE PSI  MIX LO D 148 PPC BREAKDOWN PRESSURE  Usild of 1035  DISPLACEMENT  Plug DOWN 3:30AM.  MIN PRESSURE	,	ock 20' 1	(edf 55x 0	cy Pile ,	Sept.	1	<del>-</del>	-1-1-	5-07
MIN PRESSURE  PUMPED  PPG  BREAKDOWN PRESSURE  DISPLACEMENT  Plus Down 3:30AM.  MIN PRESSURE  MIN PRESSURE						FL CAND (CTACE	Det :	T	
MIN TEU DO 14 8 PPG  BREAKDOWN PRESSURE  DISPLACEMENT  Plus DOWN 3:30AM.  MIN PRESSURE  MIN PRESSURE		STAGE		I INJ RATE		SAND/STAGE	P51		
Plus Down 3:30AM.  DISPLACEMENT  100pst MIX PRESSURE  MIN PRESSURE	<del></del>	(2) 141		<u> </u>				BREAKDOWN	PRESSURE
Plus DOWN 3:30AM. JOUPST MIX PRESSURE MIN PRESSURE	/// X EU		,35					1.	
MIN PRESSURE	0/ /		3:20 AN	1,		<del>                                     </del>	100057	MIX PRESSU	RE
	0-145 10	WA	ا///نارات و المارات			1			
200 ps. ISIP	· W. 子			h /		*	200 NST		