STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

,

APPLICATION OF CIMAREX ENERGY CO. OF COLORADO FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

Case No. 15,223

VERIFIED STATEMENT OF NASH J. DOWDLE, JR.

Nash J. Dowdle, Jr., being duly sworn upon his oath, deposes and states:

1. I am a landman for Cimarex Energy Co. ("Cimarex"), and have personal knowledge of the matters stated herein.

2. Cimarex Energy Co. of Colorado is a wholly owned subsidiary of Cimarex Energy Co.

3. Pursuant to Division Rule NMAC 19.15.4.12.A(1)(b), the following information is submitted in support of the application filed herein:

(a) No opposition to this application is expected because the mineral interest owner being pooled has never responded to well proposals.

(b) A plat outlining the spacing unit being pooled is attached hereto as Exhibit A. Applicant seeks an order pooling all mineral interests in the Strawn formation (Burton Flat-Strawn Gas Pool) underlying Lots 1, 2, NE/4, and E/2NW/4 (the N/2) of Section 7, Township 21 South, Range 27 East, NMPM, to form a standard 314.160-acre gas spacing and proration unit for any and all formations or pools developed on 40-acre spacing within that vertical extent. The unit will be dedicated to the Colton 7 Fed. Well No. 1, which is being re-completed in the Strawn formation with a top perforation in the Strawn formation of 10,014 feet subsurface, at a location 1250 feet from the north line and 1943 feet from the west line of Section 7.

(c) The party being pooled, and its percentage working interest in the well, is:

Mobil Producing Texas & New Mexico Inc.37.50 %c/o XTO Energy Inc.810 Houston Street, Suite 2000Fort Worth, Texas 76102

Oil Conserva	tion Division
Case No	
Exhibit No.	

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(d) Attached hereto as Exhibit B is the proposal letter for the well. I have also had the following contacts with XTO Energy Inc.

Initial Contact – Steven Cobb w/ XTO 4/16/2014...by phone & email.

Referred to Angie Repka 4/22/2014...called and sent email.

Attempted Contact 4/29/2014 via phone and email to Angie Repka...no response.

Attempted Contact with Angie 5/5/2014...No response.

Response from Angie 5/6/2014....she is going over documents and forwarding to their Engineering Dept.

Called Angie 5/12/2014...left message...no response.

Called 5/19/2014 for an update....no contact...left message. Via phone & email. Called again 5/27/2014...Angie reports she is waiting on geology & engineering input.

Called again 6/3/2014....left message.

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Received email from Angie 6/12/2014 declining our proposal (initially for a term assignment or to participate). They reported to me they have "plans" for that section.

7/31/2014 ...Attempted contact with Dan Foland, Regional Land Manager via email and phone for another attempt for Term Assignment or participation. He replied that he will discuss with Angie.

8/11/2014...Attempted contact with Angie...left message

9/2/2014...Talked to Steve Cobb and they will get back with me.

9/8/2014...Sent Angie an email requesting an update...no response.

(e) Cimarex has made a good faith effort to locate all interest owners in the well.

(f) Pursuant to Division rules, applicant requests that a 200% risk charge be assessed against a non-consenting interest owner.

(g) A copy of the Authority for Expenditure for the proposed re-entry is attached hereto as Exhibit C. The re-entry and re-completion costs set forth therein are fair and reasonable, and are comparable to those of other wells of this depth drilled in this area of Eddy County.

Overhead charges of \$6,500.00/month for a drilling well, and \$650.00/month for (h) a producing well, are requested. These rates are fair and reasonable, and are in line with rates charged by other operators in this area for wells of this depth. Applicant requests that the rates be adjusted under the COPAS accounting procedure.

(i) Applicant requests that it be designated operator of the well.

VERIFICATION

STATE OF TEXAS)) ss. COUNTY OF MIDLAND

Nash J. Dowdle, Jr., being duly sworn upon her oath, deposes and states that: She is a landman for Cimarex Energy Co.; she is authorized to make this verification on its behalf; she has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of her knowledge, information, and belief.

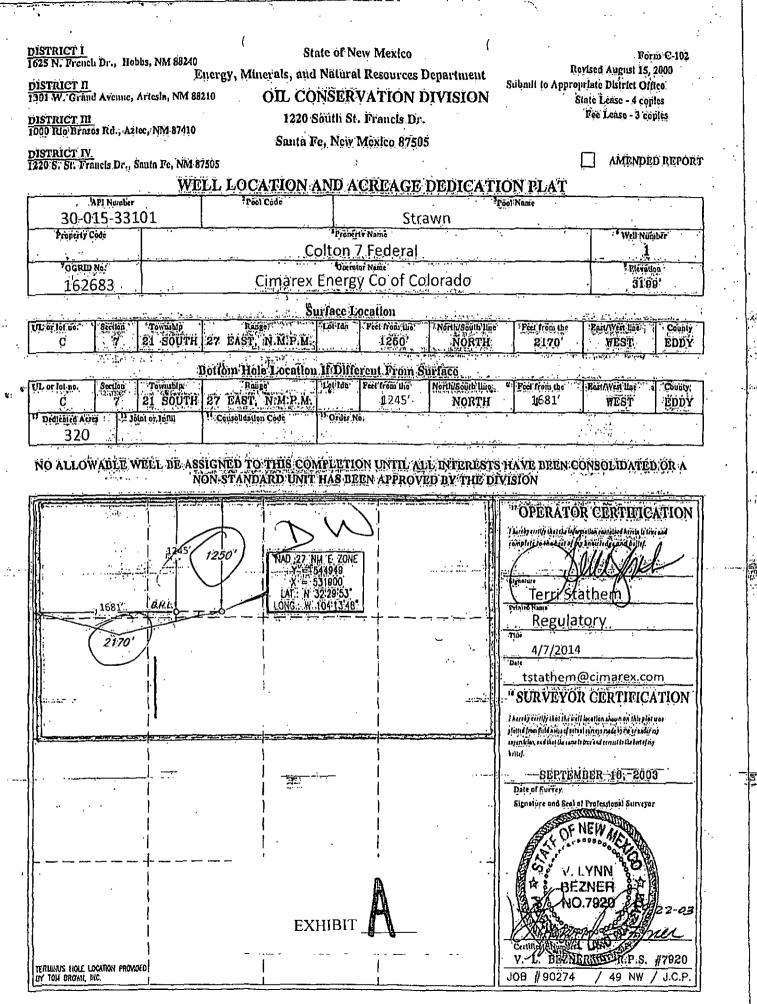
Marthowith Jr

SUBSCRIBED AND SWORN TO before me this 14th day of October, 2014 by Nash J. Dowdle, Jr.

My Commission Expires: 3 26 2015

Vain plitte Brownle	ノ
NOTATIVE LUDIAGIMI COLETTE BROWNLEE Notary Public, State of Texas	-

My Commission Expires March 26, 2015



August 26, 2014

Mr. Dan Foland Regional Land Manager XTO Energy Inc. 810 Houston Street Houston, TX 76102

Via Federal Express

Re: Colton 7 Federal #1 Section 7, Township 21 South, Range 37 East Eddy County, New Mexico AFE374260RC

Dear Mr. Foland:

Cimarex Energy Co. of Colorado, on behalf of Magnum Hunter Production, Inc., both wholly owned subsidiaries of Cimarex Energy Co., as Operator of the above referenced well, requests your review and approval of the attached AFE for the purpose of recompletion to the Strawn formation from the current Morrow formation.

Please indicate your election to participate in the enclosed AFE within 30 days of your receipt of this letter and form. Return a signed copy of the AFE to my attention via regular mail, email or fax at 432-242-2962. Your earliest attention to this matter is greatly appreciated.

Sincerely,

Nash J. Dowdle, Jr. Landman Tel. 432-571-7857-off Fax. 432-242-2962 Email: <u>ndowdle@cimarex.com</u>



Page 1 of 1

	From: (432) 571-7892 Tish E. Maney Cimarex Energy Co. 600 N. Marienfeld Suite 600 Midland, TX 79701	Origin ID: MAFA	Ship Date: 26AUG14 ActWgt: 0.5 LB CAD: 5398054/INET3550 Delivery Address Bar Code
	SHIP TO: (432) 571-7827 Attn: Dan Foland XTO Energy, Inc. 810 HOUSTON ST	BiL	 Ref # Invoice # PO # Dept #
-	FORT WORTH, TX 7	/6102	 WED - 27 AUG 10:30A PRIORITY OVERNIGHT 7709 5195 5127 76102 TX-US DFW

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

		(AFE)			DATE:	3/31/2014
COUCTION REGION Ermian - Carlsbad	Colton 7 I	Pederat '	WELL, NO.	EST, START DATE April 9, 2014	EST COMPL. DATE April 18, 2014	374260RC
YINTY	STATE LOCATION NM 1250' FN			PROPERTY NO.		X Cimarex
ddy URPOSE OF EXPE		L & 2150 FWL Sec 7, T	215, R27E	309620-017	J	- Key MHP
URPOSE:	Recompletion to Str					Prize
ROCEDURE:	See attached proces	jure to Recomplate Size	wn formation			
LLING CATEGORY						TOTAL COST
RECO.100	MISC SITE PREPAR					<u> </u>
RECO.110 RECO.115	DOCK, DISPATCHE MUD/FLUIDS DISPO			Water Disposal		2.50
RECO 120	WELL CONTROL-E		5 Day m		on Days @ \$1,600	
RECO. 125	FISHING & SIDETR					
RECO.130 RECO.135	MARINE/AIR TRAN		·			
RECO, 140	COIL TUBINO SER					
RECO.145	DAMAGES					
RECO.150	LOCATION RESTO	RATION				
RECO.155 RECO.160	COMPLETION RIG			9 Days @ \$4,50	0	40,50
RECO.165	Bits Fuel					
RECO.170	WATER, MUD & FL	UIDS	4% KCL	& FW + 8 days x	\$2,000 day	16,00
RECO.176			. Rig Mat - 51,00	00, 2 Tanks - \$3,500, f	low Back - 4 days @ \$2	
RECO. 160	DOWNHOLE RENT	ALS	Halli - \$4	\$,000, Globe \$3,00	00	6,00
RECO. 185 RECO. 195	GEOLOGICAL TUBULAR INSPEC	TIONO	C100 €	3,500 + 2-7/8" @	¢3 600	7.00
RECO.200	CASING CREWS	TIONS	CVD-3.	3,500 + 2-118 [2]	\$3,500	······································
RECO.205	EXTRA LABOR, WE	LDING, ETC				
RECO.210	TRUCKING	Pipe Racks & Rig M		bing - \$7,000, Hot Sho	l • \$1,200	11,50
RECO.215 RECO.225	SUPERVISION		8 Days >	(\$1,500 day		12,00
RECO.225	OTHER MISC EXPE	INSES				
REC0.235	LOGGING, PERFOR	ATING, WL UNIT	CIPB. C	MT. Perf - FMC B	id	14,00
RECO.240	ACIDIZE, BREAKDO		Petrople			15,00
REC0.245	FRACTURING, STR					
RECO.250 RECO.255	REMEDIAL CEMEN CONTINGENCY	TINÓ	20000	d Destale		25,20
REC0.270	PIA COSTS		2 Days c	of Rentals		20,20
RECO.275		RY/CURATIVE-ACP			· · ·	······································
REC0.345	SHOES/COLLARS/					
RECO.355 RECO.365	WELL SURVEY/ELI					
REC0.385	WIRELINE SERVIC	<u>E3</u>				·
REC0.390	CORROSION CONT	IROL/SAFETY			· · ·	·
RECO.450	ENGINEERING SEP					
RECO.460	OMING SERVICES	····				
	TOTAL INTANGI	ALE COST				172,20
LLING CATEGORY						
RELW.100 RELW.105	PRODUCTION CSG TUBING	TIE BACK	Niew 2.2	/8° 4.7# J-55 EUE	545 200 ± Tax	60.00
RELW.110	CONSTRUCTION F	OR WELL EQUIP	New 2-5	10 4.7# J-33 CUE	940,000 T 18X	50,00
RELW.115	NIC WELL EQUIPM	ENT				
RELW, 120	WELLHEAD, TREE,					
RELW.125 RELW.130	LINER HANGER, IS PACKER, NIPPLES	ULATION PACKER		· · · · · · · · · · · · · · · · · ·		
RELW,155	PUMPING UNIT, EN	GINE				
RELW. 160	LIFT EQUIP (BHP,R	ODS, ANCHORS)				
	CONSTRUCTION F					·····
	N/C LEASE EQUIPA	15111				·
	BATTERY (HTR TR	TR,SEPAR,GAS T)				
	FLOW LINES, LINE					
	MISC LEASE EQUIF	PMENT				
	TOTAL TANGIBL					50,00
	TOTAL ESTIMAT	ED COST				\$222,20
TERNAL APPRO	VAL		:	DATE	WORKING INTEREST	0.97700
	Winston Kelly		IA TU	5/31/2014	NET TOTAL COST	\$217,08
			<u>.</u> ev.:\	11-11-14	· · · · · · · · ·	
	Kim Barton	- ALLAC		18377	4	
	Blake Sirgo	11 PAR22	<u> </u>	177474	4	
PROVED BY:	Rick White	put wan	!	4114/14	1	
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PROVED BY:				1	1	
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PROVED BY: PROVED BY:		APPROVED BY			Y (SIGNATURE)	DATE

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EXHIBIT

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Updated 10/2010

		AREX EN	- 6 1 - 1 - 1 - E		
Date: <u>3/31/2014</u> Produ Eff. Date:	ction Region: Permi Comments: Recon	an - Carlsbad apletion to Sirawa	Exploration Region	!	
X New					
Supplement #					
Revision #					
Reason for AFE: Record Company Entity: Cima					
PROPERTY INFORMAT	ION				
Well Name: Colto	n 7 Federal	<u>l</u>		AFE #: 374260RC	. <u> </u>
County/Parish: Eddy	FNL & 2150' FWL S	ec 7, 1215, R	Outside Operated.	State: NM	
Prospect: Burto	n Flat rex Energy Co. of Col	orado	Pron	erty #: 309620-017	
ROPOSAL Submitted By: Wins	ton Ketty				
Objective Depth: 10,01			Forn	nation: Strawn	······
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	Development	Explor	ratory	PUD	
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	- <u>-</u>	•			
P&A					
Facility:		<u> </u>	····		
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Non-Consent					
Divestiture: Acquisition:		Assignment? Production Acqui		Farmout	
LAND SUMMARY Regulatory Rules:					
a. Spacing: b. Pooling:		<u>-</u>			
c. Location Exception					
d. Increased Density: c. Production Allowa		.			
	Date:			r	
)perating Agreement: N	ion-Consent:		j .	Form:	
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a. Title Opinion:	. <u>.</u>	÷			
b. Drilling Title Appr	oved By:				. <u> </u>
eal \ Operational Summary:	Payout Cal	culation Required			
		·			
farketing Information:		<u> </u>			
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COLTON 7 FEDERAL #1 Strawn Recompletion Procedure

API # 30-015-33101 PROPERTY # 309620-017 1250' FNL & 2170' FWL Section 7, 21S, R-27E Eddy County, New Mexico

GL: 3204' TD: 11550'	· · · · · · · · · · · · · · · · · · ·
SURF CSG:	13-3/8" OD AT 647' (CIRC)
INTER CSG: PROD CSG :	9-5/8" OD AT 2457' (CIRC) 5-1/2" OD 17# P-110 @ 11549' (TOC 1710' PER TS)
1100 000 .	DV TOOL AT 8505'
	ID=4.892", DRIFT=4.767", BURST=10640#, CAPACITY=0.9764 GAL/LF
TUBING:	2-7/8" 6.4# L-80 W/ VERSASET PKR AT 11,167' ID=2.441", DRIFT=2.347", BURST=10570 PSI, CAPACITY=0.243 GAL/LF
	<i>Returning with 2-3/8" 4.7# tbg 10,000' string</i> ID=1.995", DRIFT=1.901", BURST=11200 PSI, CAPACITY=0.162 GAL/LF
PERFS:	PROPOSED STRAWN 10,014'-20', 10,117'-26', 10,180'-84', 10,221'-30', 4 spf/112 his
	MORROW :10,905'- 909', 11,102'-115', 143'-149', 11,159'-170', 11,184'-190', 11,238'- 42', 11,248-58', 11,268'-75', 11,306'-11', 11,361'-71', 6 spf/222 hls

Procedure:

- 1. Hold safety meeting. MIRU pulling unit. Bleed off any wellhead pressure. If necessary pump FW down tbg to kill well.
- 2. ND WH, NU BOP, Release PKR, TOOH & stand back w/ tbg.
- 3. MIRU wireline. Make GR run to 10,900'. RIH w/ CIBP on WL & set @ ±10,820'. (Within 100' of top of Morrow @ 10,896'). Load hole & pressure test to 1,000 psi, then POOH.
- 4. RU & RIH w/ cement dump bailer & dump a minimum of 35' Class H cmt on CIPB. POOH w/ WL & RD.
- 5. RIH w/ 2-7/8" tbg string to 10,700', circulate w/ 4% KCL. POOH & LD w/ tbg, send to warehouse.
- 6. RIH w/ CSG guns, Depth reference with Schlumberger CNDL dated 8/24/2005.
- 7. Perf Strawn with 4 SPF (10,014'-20', 10,117'-26', 10,180'-84', 10,221'-30')112 holes. RDMO WL.
- 8. TIH w/ 2-3/8" Treating pkr on new 2-3/8" tbg string. Set treating pkr @ ± 9,910'. (If pressure is an issue set pkr via WL @ ± 9,946', expected reservoir pressure 3,940 #)
- Acidize Strawn perfs (10,014' 10,230') w/ 5000 gals 15% HCL NEFE acid & 140 degradable ball sealers. Flush w/ 4% KCl wtr.
- 10. POOH w/ tbg & pkr. TIH w/ Seat Nipple & open ended new 2-3/8" tbg string w/ EOT @ ± 9,990'.
- 11. Swab tbg as necessary. ND BOP, NU WH, RDMO PU. Return well to production.

COMPLETION SCHE	MATIC	LEASE NAME: Colton 7 Federal	Well # 1		API # 30-015-331	01	LEASE #
		TYPE COMPLETION:		SINGLE		DUAL	
GL 3,204 🛞 🛞		LOCATION: Surface: 1250		T21S R27E; TD: 1245' FNL & 1681'	FWL		
			PBD 11,450		КВ	3,236'	From Log
		COD	DOD		GL	3,204	From Log
3 3/8" 48#	647'	NO. PROD. WELLS ON LEASE		FLOWING	PUMPING		
w/850 sx, circ 13 sx		ZONE TO BE WORKED ON:	·····	·!	CURRENT COMPL	ETION ZONE:	
					Strawn		
5/8" 40#		CSG. PERFS: 10,014'-26', 10,117'-26', 1 11238'-42' 11248'-58' 11268'-75' 1		05-909', 11,102-115', 11,143-149', 1'	16 OPEN HOLE :		
		CURRENT TEST (SHOW DATE)	11000-11 11001-11		!	·	
5/8" 40#	2467	4/24/2006	0 BO + 0 BW + 848 MCF				
/2600 sx, circ 25 sx		7/15/2007	0 BO + 0 BW + 2 MCF				
		CASING BREAKDOWN					
			SIZE: 13 3/8" 48#	w/850 sx, circ 13 sx		DEPTH	647*
			SIZE: 9 5/8" 40#	v/2500 sx, circ 25 sx		DEPTH	2457
	TOC 1710' (TS)	PROD. 8 3/4" hole	SIZE: 5 1/2" 178	w/2330 ax, TOC 1710' (TS)		<u>IDEPT</u> H	11.549'
		WELL HISTORY					
		YICLE HISTORY					
		07/15/05 Spud.					
			d Lower Morrow 11361'-371'	OAL (66 holes). Frac'd w/23 000 nai	faomed 45# celled 7%	KCL w/CO2 +1	195,000# 15/40 Versaprop dn csg. Perid I
				ed 7% KCL w/CO2 _ 73,200# 18/40 \			
		12/05/05 1st sales @ 3 pm, TP 3150					
				, 127 BO + 0 BW + 1459 MCF.			
		12/13/05 24 hr flow TP 540 CP 900 LI	D 475 OV 18100 CD 4004 0 C	0 + 100 DIM + 1870 MOT			
625.			M 473 CR WO FR 1921. U B				
		11/28/06 SBHP 1392# @ 11274'.	P 475 CK WO FR 1921, U B	0 + 129 BW + 1870 MCP.			
····2·3/6···Tbg		11/28/06 SBHP 1392# @ 11274'.	•		R 380 MCF LP 575.		
···2·3/6''TÞg		11/28/06 SBHP 1392# @ 11274'.	•	otal of 9 soap sticks. RTP 2/17/07, El	FR 380 MCF LP 575.		
····2·3/8'' TÞ <u>G</u>		11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. Dn s	•		FR 380 MCF LP 575.		
2.3/8" 7Þg		11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. Dn s 02/13/07 SBHP 1596# @ 11274'. 06/01/07 Swab total of 95 BW.	size compressor. Dropped to	olal of 9 soap slicks. RTP 2/17/07, El	² R 380 MCF LP 575.		
"2.3/6" TÞg		11/28/06 SBHP 1392# @ 11274*. 02/02/07 Swab total of 145 BW. On s 02/13/07 SBHP 1506# @ 11274*. 05/01/07 Swab total of 95 BW. 10/09/07 RIH w1.55* gauge ring to 11	size compressor. Dropped to 1446°, found Morrow perfs of	olal of 9 soap slicks. RTP 2/17/07, El pen.		:ver saw a brea	ak in formalion.
"2.3/3"TDg		11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW, Dn s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab total of 55 BW. 10/09/07 RiH w/1.55' gauge ring to 1' 10/29/07 Clear w/r block w/tsosol Tree.	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la	olal of 9 soap slicks. RTP 2/17/07, El	icle, 2 lons cool dn). Ni		
2.3/8TÞg		11/28/06 SBHP 1392# @ 11274*. 02/02/07 Swab total of 1455 BW, Drs s 02/13/07 SBHP 1506# @ 11274*. 06/01/07 Swab total of 1455 BW, 10/09/07 RIH w/1.55* gauge ring to 1* 10/29/07 Clear wir block wirssol Tree 02/13/08 Add Morrow perfs 10,905-90	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la 09', 11,102-115', 11,143-149	olal of 9 soap slicks. RTP 2/17/07, El pen. sosoi acid + 62 lols CO2 (60 lons dn f *, 11159-170*, 11,184-190* 6 SPF. 7.5	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
2-3/87Þg		11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW, Dn s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab total of 55 BW. 10/09/07 RiH w/1.55' gauge ring to 1' 10/29/07 Clear w/r block w/tsosol Tree.	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la 09', 11,102-115', 11,143-149	olal of 9 soap slicks. RTP 2/17/07, El pen. sosoi acid + 62 lols CO2 (60 lons dn f *, 11159-170*, 11,184-190* 6 SPF. 7.5	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
KR C - C - C - C - C - C - C - C - C - C	Strawn Perfs;	11/28/06 SBHP 1392# @ 11274*. 02/02/07 Swab total of 1455 BW, Drs s 02/13/07 SBHP 1506# @ 11274*. 06/01/07 Swab total of 1455 BW. 10/09/07 RIH w/1.55* gauge ring to 1* 10/29/07 Clear wir block wirssoi Tree 02/13/08 Add Morrow perfs 10,905-90	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la 09', 11,102-115', 11,143-149	olal of 9 soap slicks. RTP 2/17/07, El pen. sosoi acid + 62 lols CO2 (60 lons dn f *, 11159-170*, 11,184-190* 6 SPF. 7.5	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
KRC SALE WK		11/28/06 SBHP 1392# @ 11274*. 02/02/07 Swab total of 1455 BW, Drs s 02/13/07 SBHP 1506# @ 11274*. 06/01/07 Swab total of 1455 BW. 10/09/07 RIH w/1.55* gauge ring to 1* 10/29/07 Clear wir block wirssoi Tree 02/13/08 Add Morrow perfs 10,905-90	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la 09', 11,102-115', 11,143-149	olal of 9 soap slicks. RTP 2/17/07, El pen. sosoi acid + 62 lols CO2 (60 lons dn f *, 11159-170*, 11,184-190* 6 SPF. 7.5	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
KRC SALE WK	10,014"-20", 10,117"-25"	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. 02/13/07 SBHP 1506# @ 11274'. 05/01/07 Swab total of 165 BW. 05/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55' gauge ring to 1' 02/13/08 Add Morrow perfs 10,905-90 3/21/2014: Plug back & set CIBP over h	size compressor. Dropped la 1446', found Morrow perfs of alment. Pumped 4000 gal la 09', 11,102-115', 11,143-149	olal of 9 soap slicks. RTP 2/17/07, El pen. sosol acid + 62 lols CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
	10,014'-20', 10,117'-25' 10,186'-34', 10,221'-30'	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 1455 BW, Dn s 02/13/07 SBHP 1506# @ 11274'. 05/01/07 Swab total of 1455 BW. 05/01/07 Swab total of 95 BW. 10/09/07 RIH w/1.55" gauge ring to 11 10/29/07 Clear wir block w/tsosol Tre: 02/13/08 Add Morrow perfs 10,905-90 3/51/2014: Plug back & set CIBP over here TUE	size compressor. Dropped (1446°, found Morrow perfs of alment. Pumped 4000 gal k 09°, 11,102-115°, 11,143-149 Worrow. Perforate Strawn SING DETAIL: from 12.	olal of 9 soap slicks. RTP 2/17/07, El pen. sosol acid + 62 lots CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidiza w/ 500 gis KCL NEFE Aci <u>/20/2009report</u>	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
KR C - C - C - C - C - C - C - C - C - C	10,014"-20", 10,117"-25"	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. 02/13/07 SBHP 1506# @ 11274'. 05/01/07 Swab total of 165 BW. 05/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55' gauge ring to 1' 02/13/08 Add Morrow perfs 10,905-90 3/21/2014: Plug back & set CIBP over h	size compressor. Dropped (1446°, found Morrow perfs o alment. Pumped 4000 gal k ament. Pumped 4000 gal k 39°, 11,102-115°, 11,143-149 Morrow, Perforate Stravm	olal of 9 soap slicks. RTP 2/17/07, El pen. sosol acid + 62 lols CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
RREASE K	10,014'-20', 10,117'-25' 10,186'-34', 10,221'-30'	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. On s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab total of 95 BW. 10/09/07 RIH w/1.55' gauge ring to 1'. 02/03/07 RIH w/1.55' gauge ring to 1'. 02/07/07 RIH w/1.55' gauge ring to 1'. 02/07/07 RIH w/1.55' gauge ring to 1'. 02/13/08 Add Morrow perfs 10.905-90'.	ize compressor. Dropped (1446', found Morrow perfs of alment. Pumped 4000 gal k 99', 11,102-115', 11,143-149 Morrow. Perforate Strawn SING DETAIL: from 12, Length 32	olal of 9 soap slicks. RTP 2/17/07, El pen. sosel acid + 82 lols CO2 (60 lons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>Depth</u>	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
RR (2-2-2-5- 2-2-2-5- 5-2-2-5-5-5-5-5-5-5-5-	1)" 10,014'-20', 13,117'-25' 10,186'-34', 10,221'-30' (6 spf. 166 holes) Hittelimet	11/28/06 SBHP 1392# @ 11274". 02/02/07 Swab total of 1455 BW, On so 02/13/07 SBHP 1506# @ 11274". 06/01/07 SWab total of 1455 BW. In so 02/13/07 06/01/07 Swab total of 95 BW. In so 02/13/07 10/09/07 RIH w/1.55" gauge ring to 11 In 22/07 02/13/08 Add Morrow perfs 10,905-90 3/01/2014: Plug back & set CISP over h TUE Defall KB 176 jis 2 7/8" 6.5# EUE L-80 176 jis 2 7/8" 6.5# EUE L-80	size compressor. Dropped & 1446', found Morrow perfs of atment. Pumped 4000 gal & 09', 11,102-115', 11,143-149 Worrow. Perforate Strawn SING DETAIL: from 12, Length 32 0 bg 5460.77	olal of 9 soap slicks. RTP 2/17/07, El pen. sosol acid + 62 lots CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidiza w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>0epth</u> 32 5492.77.	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
RR (2-2-2-5- 2-2-2-5- 5-2-2-5-5-5-5-5-5-5-5-	10,014'-20', 13,117'-25' 10,186'-34', 10,221'-35' (6 spl. 166 holes)	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. D05 02/13/07 SBHP 1506# @ 11274'. 05/01/07 Swab total of 155 BW. 10/09/07 RH w/1.55" gauge ring to 1'. 02/13/07 Clear w/r block w/tsosol Treit 02/13/08 Add Morrow perfs 10,905-90 02/13/08 Add Morrow perfs 10,905-90 3/21/2014: Plug back & set CIBP over h TUB Detaili KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve	size compressor. Dropped (1446°, found Morrow perfs o atment. Pumped 4000 gal & D9, 11,102-115°, 11,143-149 Morrow. Perforate Strawn Morrow. Perf	olal of 9 soap slicks. RTP 2/17/07, El pen. sosel acid + 62 lots CO2 (60 lons da f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>0opth</u> 32 5496.87	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
सर () () () 	1 1" 10,014'-20', 10,117'-25' 10,100'-34', 10,221'-30' (6 sp1, 105 holes) ISEALENTE Morrow PERFED AT:	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW. On s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab total of 165 BW. 10/09/07 RH w/1.55' gauge ring to 1 10/29/07 RH w/1.55' gauge ring to 1 02/13/08 Add Morrow perfs 10,905-90 3/51/2014: Plug back & set CIBP over h TUE Detail KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jis 2 7/8" 6.5# EUE L-80	size compressor. Dropped (1446, found Morrow perfs of ament. Pumped 4000 gal k 197, 11,102-115, 11,143-149 Morrow. Perforate Strawn <u>BING DETAIL: from 12,</u> <u>Length</u> 32 0 tbg 5460.77 4,1 10g 1852.15	olal of 9 soap slicks. RTP 2/17/07, El pen. sosel acid + 62 lols CO2 (60 lons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>Dopth</u> 32 5496.87 7349.03	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1" 10,014'-20', 13,117'-25' 10,106'-34', 19,221'-30' (6 spf. 166 holes) Morrow PERFED AT: 10906-909,11102-115,143-149,	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 1455 BW, On s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab total of 1455 BW, 10/09/07 SHP 1506# @ 11274'. 06/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55" gauge ring to 11 10/29/07 Clear wir block wirkssol Tree. 02/13/08 Add Morrow perfs 10,905-90 3/31/2014: Plug back & set CIBP over h TUB Detail KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift valve	ize compressor. Dropped (1446', found Morrow perfs of atment. Pumped 4000 gal k 199, 11,102-115', 11,143-149 Morrow. Perforate Strawn <u>SING DETAIL: from 12</u> , <u>Length</u> 32 0 tbg 5460.77 4.1 1bg 1852,16 4.1	olal of 9 scap slicks. RTP 2/17/07, El pen. sosol acid + 82 lols CO2 (60 lons dn ł r, 11159-170, 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>Depth</u> 32 5492.77. 5496.87 7349.03 7353.13	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1" 10,014'-20', 10,717'-25' 10,180'-34', 10,221'-30' (6 spf. 168 holes) Morrow · · · · PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 145 BW. Do 02/13/07 SBHP 1505# @ 11274'. 05/01/07 SBHP 1505# @ 11274'. 05/01/07 SHH w/1.55" gauge ring to 11 10/29/07 RH w/1.55" gauge ring to 11 02/13/08 Add Morrow perfs 10,905-90 3/21/2914: Plug back & set CIBP over <i>h</i> <u>TUE</u> <u>Detail</u> KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 50 jis 2 7/8" 6.5# EUE L-80	size compressor. Dropped (1446', found Morrow perfs o alment. Pumped 4000 gal k by, 11,102-115', 11,143-149 Worrow. Perforate Strawn SING DETAIL: from 12, <u>Length</u> 32 0 tbg 5460.77 4.1 tbg 1852.16 4.1 tbg 1374.01	olal of 9 scap slicks. RTP 2/17/07, El pen. sosol acid + 62 lots CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> 5492.77. 5496.87 7349.03 7353.13 6648.92	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1" 10,014'-20', 13,117'-25' 10,106'-34', 10,221'-30' (6 sp1,165 holes) HITTOW PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF 11238'-42' 7	11/28/06 SBHP 1392# @ 11274'. 02/02/07 SVab lotal of 165 BW, Dn s 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Swab lotal of 95 BW. 10/09/07 RH w/1.55' gauge ring to 1'. 10/29/07 Clear w/r block w/1sosol Tre: 02/13/08 Add Morrow perfs 10,905-90 3/51/2014: Plug back & set CIBP over // TUE Detail KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jis 2 7/8" 6.5# EUE L-80 TRO 955 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 955 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 955 #3 Gas Lift Valve	size compressor. Dropped (1446; found Morrow perfs of alment. Pumped 4000 gal k 39; 11,102-115; 11,143-149 Morrow. Perforate Stravm 81NG DETAIL: from 12; Length 32 0 tbg 5460.77 4.1 10g 1852.16 4.1 10g 1374.01 4.1	olal of 9 soap slicks. RTP 2/17/07, El pen. sosel acid + 62 lols CO2 (60 lons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci /20/2009report 5492.77 5496.87 7349.00 7353.13 6468.92 8652.92	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1" 10,014'-20', 13,117'-25' 10,106'-34', 10,221'-30' (6 sp1, 166 holes) Morrow PERFED AT: 10906-909,11102-115,143-149, 11128'-42' 8 SPF	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 145 BW, Dn s 02/13/07 Swab total of 145 BW. 06/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55" gauge ring to 11 10/29/07 Clear wir block w/issosi Tre- 02/13/08 Add Morrow perfs 10,905-90 3/31/2014: Plug back & set CIBP over <i>h</i> <u>TUE</u> <u>Detail</u> KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 895 #2 Gas Lift Valve 54 jis 2 7/8" 6.5# EUE L-80	Additional and the second seco	olal of 9 scap slicks. RTP 2/17/07, El pen. sosol acid + 82 lols CO2 (60 lons dn f r, 11159-170, 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NSFE Aci <u>/20/2009report</u> <u>Depth</u> 32 5496.87 7349.03 7353.13 8448.92 8652.92 10790.49	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1" 10,014'-20', 13,117'-25' 10,106'-34', 10,221'-30' (6 sp1,165 holes) HITTOW PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF 11238'-42' 7	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW, Dns 02/13/07 SBHP 1506# @ 11274'. 05/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55' gauge ring to 1' 10/29/07 RH w/1.55' gauge ring to 1' 02/13/08 Add Morrow perfs 10,905-90 3/21/2014: Plug back & set CIBP over h <u>TUE</u> <u>Detail</u> KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 955 #2 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 855 #2 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 855 #2 Gas Lift Valve	size compressor. Dropped (1446', found Morrow perfs o atment. Pumped 4000 gal k by, 11,102-115', 11,143-149 Worrow. Perforate Stravm SING DETAIL: from 12, Length 32 0 tbg \$450,77 4.1 10g 1852.10 4.1 10g 1374.01 4.1 10g 4855.58 4.1	olal of 9 soap slicks. RTP 2/17/07, El pen. sosel acid + 62 lols CO2 (60 lons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci /20/2009report 5492.77 5496.87 7349.00 7353.13 6468.92 8852.92	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 10,014'-20', 13,117'-25' 10,016'-34', 10,221'-30' (6 spf. 166 holes) Morrow · · · PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF 11238'-32' 11248'-58' 11268'-75' 8 SPF	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 145 BW, Dn s 02/13/07 Swab total of 145 BW. 06/01/07 Swab total of 95 BW. 10/09/07 RH w/1.55" gauge ring to 11 10/29/07 Clear wir block w/issosi Tre- 02/13/08 Add Morrow perfs 10,905-90 3/31/2014: Plug back & set CIBP over <i>h</i> <u>TUE</u> <u>Detail</u> KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 56 jis 2 7/8" 6.5# EUE L-80 TRO 895 #2 Gas Lift Valve 54 jis 2 7/8" 6.5# EUE L-80	Additional and a set of the set o	bial of 9 soap slicks. RTP 2/17/07, El pen. sosol acid + 62 lols CO2 (60 lons dn f ', 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci /20/2009report 5492.77. 5496.87 7349.00 7349.00 7353.13 8648.92 8652.92 10790.49 10794.59 10794.59	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
ибр © 10900.	1 10,014'-20', 13,117'-25' 10,016'-34', 10,221'-30' (6 spf. 166 holes) Morrow · · · PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF 11238'-32' 11248'-58' 11268'-75' 8 SPF	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Swab total of 165 BW, Dn s 02/13/07 SWab total of 165 BW, Dn s 02/13/07 SWab total of 95 BW. 10/09/07 RH w/1.55' gauge ring to 1 10/29/07 Clear w/r block w/tsosol Tre: 02/13/08 Add Morrow perfs 10.905-90 3/51/2014: Plug back & set CIBP over /r <u>Detaill</u> KB 176 jts 27/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jts 27/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 54 jts 27/8" 6.5# EUE L-80 TRO \$0 #1 Gas Lift Valve 54 jts 27/8" 6.5# EUE L-80 TRO \$0 #1 Gas Lift Valve 1 # 27/8" 6.5# EUE L-80 TRO \$0 #1 Gas Lift Valve 1 # 27/8" 6.5# EUE L-80 1 % Cost EUE L-80 1	Additional and a set of the set o	olal of 9 scap sticks. RTP 2/17/07, El pen. sosel acid + 82 lols CO2 (60 lons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci /20/2009report Dopth 32 5495.87 7349.03 7353.13 8648.92 8652.92 10790.49 10794.58 10825.44 10827.24	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
IEP @ 10800'	1 1 10,014'-20', 13,71'-25' 10,106'-34', 10,221'-30' (6 sp1, 166 holes) Norrow PERFED AT: 10906-909,11102-115,143-149, 11159-170,11184-190 6 SPF 11238'-32' 11248'-58' 11268'-75' 11306'-11'	11/28/06 SBHP 1392# 11/274". 02/02/07 Swab total of 165 BW. On s 02/13/07 SBHP 1392# 11/274". 05/01/07 SBHP 1506# 01/1274". 05/01/07 Swab total of 95 BW. 10/029/07 11/10/29/07 Rill w/1.55" gauge ring to 1' 10/29/07 02/13/08 Add Morrow perfs 10,905-90 0/11/2014: Plug back 3 set CIBP over h TUE Detail KB 176 jis 2 7/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 58 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 58 jis 2 7/8" 6.5# EUE L-80 TRO 935 #3 Gas Lift Valve 58 jis 2 7/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 58 jis 2 7/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 58 jis 2 7/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 59 4/1 Gas Lift Valve Sajis 2 7/8" 6.5# EUE L-80 59 4/1 Gas Lift Valve Sajis 2 7/8" 6.5# EUE L-80 59 4/1 Gas Lift Valve Sajis 2 7/8" 6.5# EUE L-80 50 5/1 Gas Lift Valve Sajis 2 7/8" A Tow set TK pa	size compressor. Dropped (1446', found Morrow perfs o siment, Pumped 4000 gal k by, 11,102-115', 11,143-149 Warrow, Perforate Strawn SING DETAIL: from 12, Length 32 0 Ubg 5460,77 4.1 Ubg 1852.16 4.1 Ubg 1374.01 4.1 Ubg 1374.01 4.1 Ubg 1374.01 4.1 Ubg 13855.8 1.8 acker 9,1	olal of 9 scap slicks. RTP 2/17/07, El pen. sosol acid + 62 lots CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7,5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> 5492.77. 5496.87 7349.03 7353.13 8648.92 8552.92 10790.49 10794.53 10825.44 10835.34	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
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RR () HEP @ 16800'	10,014'-20', 13,117'-25' 10,180'-34', 10,221'-30' (6 spf, 166 holes) HEALER 10906-909,11102-115,143-148, 1159-170,11184-190 6 SPF 11238'-42' 11248'-55' 11261'-71' 6 SPF (66 hole)	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Sivab lotal of 165 BW, Dns 02/13/07 SBHP 1506# @ 11274'. 06/01/07 Sivab lotal of 165 BW. 10/09/07 RH w/1.55' gauge ring to 11 10/29/07 Clear w/r block w/tsosol Tre 02/13/08 Add Morrow perfs 10.905-90 3/31/2014: Plug back & set CIBP over // <u>Defall</u> KB 176 jts 27/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jts 27/8" 6.5# EUE L-80 TRO 935 #2 Gas Lift Valve 53 jts 27/8" 6.5# EUE L-80 TRO \$5# 26 Gas Lift Valve 54 jts 27/8" 6.5# EUE L-80 TRO \$0 #1 Gas Lift Valve 1 // 27/8" 6.5# EUE L-80 1 // 27/8" Arrow set 7K pa 1 // 27/8" Perforated Sub 1 // 27/8" 6.5# EUE L-80 1 // 27/8" Perforated Sub 1 // 27/8" 6.5# EUE L-80 1 // 27/8" Perforated Sub 1 // 27/8" 6.5# EUE L-80	size compressor. Dropped (1446', found Morrow perfs of atment. Pumped 4000 gal k by, 11,102-115', 11,143-149 Worrow. Perforate Strawn BING DETAIL: from 12, Length 32 0 Ubg 5460,77 4,1 10g 1374.01 4,1 10g 1374.01 4,1 10g 30.85 1.8 acker 9,1 9 31,45 4,1 10g 497.35	olal of 9 scap slicks. RTP 2/17/07, El pen. sosol acid + 62 lots CO2 (60 lons dn f 1, 11159-170', 11,184-190' 6 SPF. 7,5 & Acidize w/ 500 gis HCL NEFE Aci <u>/20/2009report</u> <u>0-opth</u> 32 5492.77 5496.87 7349.03 7353.13 6648.92 8652.92 10790.49 10794.53 10825.44 10837.8 10825.44 10837.8 10825.44 10837.8 10825.44 10837.8	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		
RR (10,014'-20', 13,117'-25' 10,180'-34', 10,221'-30' (6 spf, 166 holes) HEALER 10906-909,11102-115,143-148, 1159-170,11184-190 6 SPF 11238'-42' 11248'-55' 11261'-71' 6 SPF (66 hole)	11/28/06 SBHP 1392# @ 11274'. 02/02/07 Sivab lotal of 165 BW, Dns s 02/13/07 SWab lotal of 165 BW, Dns s 02/13/07 SWab lotal of 95 BW. 10/09/07 RH w/1.55' gauge ring to 11 10/29/07 Clear w/r block w/1sosol Tre: 02/13/08 Add Morrow perfs 10,905-90 3/51/2014: Plug back & set CIBP over /r <u>TUE</u> <u>Detaill</u> KB 176 jis 27/8" 6.5# EUE L-80 TRO 975 #4 Gas Lift Valve 59 jis 27/8" 6.5# EUE L-80 TRO 955 #3 Gas Lift Valve 56 jis 27/8" 6.5# EUE L-80 TRO 856 #1 Sas Lift Valve 56 jis 27/8" 6.5# EUE L-80 TRO 856 #1 Sas Lift Valve 56 jis 27/8" 6.5# EUE L-80 TRO Sto #1 Gas Lift Valve 1 ji 27/8" 6.5# CLE L-80 TRO Sto #1 Sas Lift Valve 1 ji 27/8" 6.5# EUE L-80 TRO Sto #1 Sas Lift Valve 1 ji 27/8" 6.5# EUE L-80 TRO Sto #1 Sas Lift Valve 1 ji 27/8" 6.5# EUE L-80 1 ji 27/8" 6.5# Sto EUE L-80 1 ji 27/	Additional and a series of the	Dial of 9 scap sticks. RTP 2/17/07, El pen. sosol acid + 62 tols CO2 (60 tons dn f , 11159-170', 11,184-190' 6 SPF. 7.5 & Acidize w/ 500 gis HCL NEFE Aci /20/2009report Dopth 32 5492.77. 5496.87 7349.00 7353.13 6648.92 8652.92 10790.49 10794.53 10827.24 10827.24 10835.34 10827.24 10837.8 10871.9	icle, 2 lons cool dn). Ne % Hcl w/methanol acid j		

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		LEASE NAME: Colton 7 Federal		Well # 1		API#30-015-3310		LEASE #	
		TYPE COMPLETION:		2	SINGLE		DUAL		
iL 3,204'					IS R27E: TD: 1245 FNL & 1681				
		TD 11,550'	PBD	11,450		KB		From Log	
		COD	DOD			GL	3,204'	From Log	
3 3/6" 48#		NO. PROD. WELLS ON LEASE		1	LOWING	PUMPING		1	
3 3/6" 48#	647								
//850 sx, circ 13 sx		ZONE TO BE WORKED ON:				CURRENT COMPL	ETION ZONE:		
						Morrow			
		CSG. PERFS: 10,905-909', 11,102 11238'-42' 11248'-58' 11268'			54-190 6 SPF.	OPEN HOLE :			
		CURRENT TEST (SHOW DATE)	-/3 11300-11	11301-71		!			
5/8-40#	2457	4/24/2005	4 90 + 4 5	BW + 848 MCF					
/2600 sx, circ 25 sx	200 I 100 I	7/15/2007		BW + 2 MCF					
2000 SX, CIFC 25 SX		CASING BREAKDOWN	0 60 + 0 6						
	19	SURF. 17 1/2" holo	SIZE:	13 3/8" 48#	w/850 sx, circ 13 sx	1	DEPTH		647'
		INTER. 12 1/4" hole	SIZE:	9 5/8" 40#	w/2600 sx, circ 25 sx		DEPTH		2457
	TOC 1710' (TS)	PROD. 8 3/4" hole	SIZE:	6 1/2" 17#	w/2330 sx, TOC 1710' (TS)		DEPTH		11,549'
	Section (13)	i root o da note	0144.	O DA TIM					
	レ隊	WELL HISTORY							
		THE DATA POINT							
		07/1 EME David							
		07/15/05 Spud.							
					AL (66 holes). Frac'd w/23,000 gai			195,000# 15/40 V	ersaprop on csg. Perid
	1.22				7% KCL w/CO2_73,200# 18/40 V	/ersaprop dn 5 1/2° csg.			
	+ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12/05/05 1st salss @ 3 pm, TP							
		12/07/05 24 hr flow TP 1500 Ci	900 LP 489 CK	(17 FR 1423 MCF, 1	27 BO + 0 BW + 1459 MCF.				
		12/13/05 24 hr flow TP 540 CP	900 LP 475 CK \	W/O FR 1921, 0 BO	+ 129 BW + 1870 MCF.				
		11/28/06 SBHP 1392# @ 1127	41						
		11120100 0000 10020 021121							
	1			ressor. Dropped tota	l of 9 soap sticks. RTP 2/17/07, EF	FR 380 MCF LP 575.			
	4		. Dn size compre	ressor. Dropped tota	l of 9 soap sticks. RTP 2/17/07, Ef	FR 380 MCF LP 575.			
	4	02/02/07 Sweb total of 165 5W	. Dn size compre	ressor. Dropped tola	l of 9 soap sticks. RTP 2/17/07, Ef	FR 380 MCF LP 575.			
	L L	02/02/07 Sweb total of 165 5W 02/13/07 SBHP 1556# @ 1127	. Dn size compr 4'.			FR 380 MCF LP 575.			
	ч Ц	02/02/07 Sweb total of 165 GW 02/13/07 SBHP 1596# @ 1127 06/01/07 Sweb total of 95 BW. 10/09/07 RtH w/1.55" gauge rir	. Dn size compr 4'. Ig lo 11446', four	nd Morrow ports oper			ever saw a bre:	ak in formation.	
	د پ	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	. Dn size compr 4'. 19 lo 11446', foun 19 Treatment, Pi	nd Morrow porfs oper rumped 4000 gal isos	.	nale, 2 ions cool dn). Na			and gas lift valves.
	د 4	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	. Dn size compr 4'. 19 lo 11446', foun 19 Treatment, Pi	nd Morrow porfs oper rumped 4000 gal isos	1. iol actid + 62 tots CO2 (60 tons on h	nale, 2 ions cool dn). Na			and gas KN valves.
	بر ل	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	. Dn size compr 4'. 19 lo 11446', foun 19 Treatment, Pi	nd Morrow porfs oper rumped 4000 gal isos	1. iol actid + 62 tots CO2 (60 tons on h	nale, 2 ions cool dn). Na			and gas Ki valves.
	۲ ۲	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	. Dn size compr 4'. 19 lo 11446', foun 19 Treatment, Pi	nd Morrow porfs oper rumped 4000 gal isos	1. iol actid + 62 tots CO2 (60 tons on h	nale, 2 ions cool dn). Na			and gas 101 valves.
		02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	. Dn size compr 4'. 19 lo 11446', foun 19 Treatment, Pi	nd Morrow porfs oper rumped 4000 gal isos	1. iol actid + 62 tots CO2 (60 tons on h	nale, 2 ions cool dn). Na			and gas IXI valves.
	د 	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	, Dn size comph 4'. Ig lo 11446', foun I Treatment, Pu 905-909', 11,102	nd Morrow perfs oper Yumped 4000 gal Isos 2-115', 11,143-149', 1	l. sal acid + 62 tols CO2 (60 tons dn t 1159-170', 11,184-190' 6 SPF. 7.5	nale, 2 ions cool dn). Na			and gas IXI vatves.
	د 4 ب	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	, Dn size comph 4'. Ig lo 11446', foun I Treatment, Pu 905-909', 11,102	nd Morrow porfs oper rumped 4000 gal isos	l. sal acid + 62 tols CO2 (60 tons dn t 1159-170', 11,184-190' 6 SPF. 7.5	nale, 2 ions cool dn). Na			and gas lít valves.
	د 4 د	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RtH wtl.55" gauge fir 10/29/07 Clear vfr block w/tso: 02/13/03 Add Morrow perts 10,	, Dn size comph 4'. Ig lo 11446', foun I Treatment, Pu 905-909', 11,102	nd Morrow perfs oper rumped 4000 gal isos 2-115', 11,143-149', 1 TAIL: from 12/2	l. kal acid + 62 tols CO2 (60 tons dn h 1159-170', 11,184-190' 6 SPF. 7.5 D/2009report	nale, 2 ions cool dn). Na			and gas K1 valves.
	د با با ب	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55° gauge rir 10/29/07 Clear vir block w/isos	, Dn size comph 4'. Ig lo 11446', foun I Treatment, Pu 905-909', 11,102	nd Morrow perfs oper fumped 4000 gal Iso 2-115', 11,143-149', 1 TAIL: from 12/2' Length	l. sal acid + 62 tols CO2 (60 tons dn t 1159-170', 11,184-190' 6 SPF. 7.5	nale, 2 ions cool dn). Na			and gas IXI valves.
	L L L Marrow	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW 10/02/07 Swab total of 95 BW 10/02/07 RH wtl.55" gauge tir 10/29/07 Clear vir block wilso: 02/13/08 Add Morrow peris 10, 02/13/08 KB	, Dn size comph 4'. In the second second second of Treatment, Pr 905-909', 11,102 <u>TUBING DE</u>	nd Morrow porfs oper comped 4000 gal Isos 2-115', 11,143-149', 1 TAIL: from 12/2 Length 32	1. sel acid + 62 tols CO2 (60 tons dn h 1159-170', 11,184-190' 6 SPF. 7.5 0/2009report Drepth	nale, 2 ions cool dn). Na			and gas Ki valves.
1/2" PKR @ 10825 ft	↓ ↓ ↓ × Morrow PERFED AT:	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/03/07 RH w1.55* gauge fri 10/29/07 Clear vir block w/lsoc 02/13/08 Add Morrow peris 10, 02/13/08 Add Morrow peris 10, 02/13/08 Add Morrow peris 10,	, Dn size comph 4'. ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> JE L-60 tbg	nd Morrow perfs oper comped 4000 gal isos 2-115', 11,143-149', 1 TAIL: from 12/2 Length 32 5460.77	1. isi acid + 62 tols CO2 (60 tons dn h 1153-170', 11,184-190' 6 SPF, 7.5 0/2009report 0/2009report 20201h 32	nale, 2 ions cool dn). Na			and gas Kit valves.
989	J J Morrow PERFED AT:	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW 10/09/07 RtH w/1.55" gauge rir 10/29/07 Clear wir block w/lso: 02/13/08 Add Morrow perts 10,	. Dn size comph 4'. Ing to 11446', foun Information Program 905-909', 11,102 <u>TUBING DE</u> TUBING DE TE L-80 tbg Valve	nd Morrow perfs oper rumped 4000 gal isos 2-115', 11,143-149', 1 2-115', 11,143-149', 1 CTAIL: from 12/2 Length 32 ' 5460.77 4.1	L sal acid + 62 tols CO2 (60 tons of h 1153-170', 11,184-190' 6 SPF. 7.5 D/2009report Depih 32 5492.77 5496.87	nale, 2 ions cool dn). Na			and gas IXI vatves.
	PERFED AT:	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW 10/09/07 Siveb total of 95 BW 10/09/07 RiH w1.55" gauge rir 10/29/07 Clear vir block wilso: 02/13/08 Add Morrow perts 10,	. Dn size comph 4'. Ing to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg	nd Morrow porfs oper comped 4000 gal Isos 2-115', 11,143-149', 1 TAIL: from 12/2 Length 32' 5460.77 4,1 1852.16	1. iol acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5 <u>0/2009report</u> <u>0/2009report</u> <u>12</u> <u>14</u> <u>14</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u> <u>15</u>	nale, 2 ions cool dn). Na			and gas Ki v <i>älve</i> s.
	PERFED AT: 10905-909,11102-115,143-149	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW, 10/02/07 Swab total of 95 BW, 10/02/07 RiH w1.55° gauge tri 10/29/07 Clear vir block wilso: 02/13/08 Add Morrow peris 10, 05 jis 2 7/16* 6.5# EU, TRO 975 #4 Gas LBU, 00 905 #3 Gas LBL TRO 975 #4 Gas LBL	, Dn size comph 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> JE L-80 tbg Valve E L-80 tbg Valve	nd Morrow ports oper cumped 4000 gal isos 2-115', 11,143-148', 1 TAIL: from 12/2 <u>Length</u> 32 5460.77 4.1 1852.16 4.1	L sal acid + 62 tols CO2 (60 tons on h 1153-170', 11,184-190' 6 SPF. 7.5 <u>0/2009report</u> <u>0/2009report</u> <u>020plh</u> 32 5492.77 5496.87 7349.03 7353.13	nale, 2 ions cool dn). Na			and gas lứt valves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/03/07 Sith W1.55" gauge fir 10/29/07 Clear vir block w/tso: 02/13/03 Add Morrow peris 10, 02/13/03 Add Morrow peris 2, 7/8° 6.5# EU 176 0975 #4 Gas Litt 59 its 2 7/8° 6.5# EU 176 095 #3 Gas Litt 56 its 2 7/8° 6.5# EU	. Dn size comph 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> JE L-60 tbg Valve E L-60 tbg Valve E L-80 tbg Valve E L-80 tbg	nd Morrow perfs oper rumped 4000 gal isos 2-115', 11,143-148', 1 TAIL: from 12/2 Length 32 5460.77 4,1 1852.16 4,1 1374.01	L sal acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5' 0/2009report 0/2009report 0/2009report 5492.77 5496.87 7349.03 7353.13 5648.82	nale, 2 ions cool dn). Na			and gas IXI vatves.
989	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11236'-42'	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW 10/09/07 Swab total of 95 BW 10/09/07 Swab total of 95 BW 10/09/07 Swab total of 95 BW 10/29/07 Clear wir block wilso: 02/13/03 Add Morrow perts 10, 02/13/03 Add Morrow perts 10, 176 jls 2 7/8* 6.5# EU TRO 975 #4 Gas Lit 59 jls 2 7/8* 6.5# EU TRO 995 #2 Gas Lit 56 jls 2 7/8* 6.5# EU TRO 995 #2 Gas Lit	. Dn size compth 4'. Ing to 11446', fourn of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Usive E L-80 tbg Valve E L-80 tbg Valve Valve	nd Morrow perfs oper comped 4000 gal Isos 2-115, 11,143-149, 1 ETAIL: from 12/2/ Length 32 S460.77 4.1 1852.16 4.1 1374.01 4.1	1. iol acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5 0/2009report 2020	nale, 2 ions cool dn). Na			and gas Ki välves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11248'-58' 6 SPF	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW 10/02/07 Swab total of 95 BW 10/02/07 RiH wtl.55" gauge tir 10/23/07 Clear vir block wilso: 02/13/08 Add Morrow peris 10, 03/15 12/13/08 03/15 27/16* 6.5# EUI 03/15 27/16* 6.5# EUI 05/15 27/16* 6.5# EUI	 Dn size comptively Dn size comptively ag to 11446', fourned ag to 11446', fourned ag to 11446', fourned po5-909', 11,102 <u>TUBING DE</u> <u>TUBING D</u>	nd Morrow ports oper comped 4000 gal Isos 2-115', 11,143-149', 1 TAIL: from 12/2' Length 32 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58	L sal acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5 <u>1/2009report</u> <u>0/2009report</u> <u>0/2009report</u> 32 5492.77 5496.87 7349.00 7353.13 5648.92 5652.92 10790.49	nale, 2 ions cool dn). Na			and gas ມີໃ valves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11248'-58' 6 SPF 11268'-75'	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW. 10/03/07 RitH w1.55° gauge rir 10/29/07 Clear vir block wilsos 02/13/08 Add Morrow peris 10, 20/13/08 Add Morrow peris 10, 20/13/	. Dn size comph 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> JE L-60 tbg Valve E L-80 tbg Valve E L-80 tbg Valve SL-80 tbg Valve Valve Valve	nd Morrow perfs oper humped 4000 gal isos 2-115', 11,143-149', 1 TAIL: from 12/2 Length 32 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1	L kal acid + 62 tols CO2 (60 tans dn h 1159-170', 11,184-190' 6 SPF. 7.5 0/2009report 0/2009repo	nale, 2 ions cool dn). Na			and gas Ki valves.
989	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11248'-58' 6 SPF	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55" gauge rir 10/29/07 Clear vir block wilso: 02/13/08 Add Morrow peris 10, 02/13/08	. Dn size compth 4'. Ing to 11446', fourn of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg Valve L-80 tbg Valve State Valve State Valve State Valve State Valve State Valve State Valve State Valve State Valve State Valve State Valve State St	nd Morrow perfs oper comped 4000 gal Isos 2-115, 11,143-149, 1 ETAIL: from 12/2/ ETAIL: from 12/2/ S460.77 4,1 1852.16 4,1 1374.01 4,1 1685.58 4,1 30.85	L sol acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5' <u>0/2009report</u> <u>02009report</u> <u>02009report</u> <u>021</u> <u>021</u> <u>022</u> <u>022</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>023</u> <u>035</u> <u>035</u> <u>035</u> <u>035</u>	nale, 2 ions cool dn). Na			and gas Ki valves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11236"-42' 11248"-58' 11265"-75' 11306"-11'	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW, 10/09/07 Swab total of 95 BW, 10/09/07 Rith w1.55" gauge rir 10/29/07 Clear vir block witso: 02/13/08 Add Morrow perts 10, 03/15 2 7/07 6.5# EUL 03/15 2 7/07 6.5# EUL 05/15 2 7/07 6.5# EUL	. Dn size compt 4'. In the second second second I reatment. Pr 905-909', 11,102 <u>TUBING DE</u> IE L-80 tbg Valve E L-80 tbg E L-80 tbg	nd Morrow porfs oper comped 4000 gal Isos 2-115, 11,143-149, 1 TAIL: from 12/2/ <u>Lenath</u> 32 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1 30.85 1.8	L sol acid + 62 tols CO2 (60 tons dn h 1153-170', 11,184-190' 6 SPF. 7.5 0/2009report 0/2009repo	nale, 2 ions cool dn). Na			and gas IXI valves.
1/2" PKR @ 10825 ft	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11248'-58' 6 SPF 11268'-75'	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW, 10/03/07 RitH w1.55° gauge tri 10/23/07 Clear vir block wilsos 02/13/08 Add Morrow peris 10,	. Dn size compn 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> TE L-80 tbg Valve E L-80 tbg Valve E L-80 tbg Valve E L-80 tbg Valve E L-80 tbg Valve E L-80 tbg Valve A Valve C A Va	nd Morrow ports open cumped 4000 gal isos 2-115', 11,143-148', 1 TAIL: from 12/2 iength 32 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1 30.85 1.8 9.1	L kal acid + 62 tols CO2 (60 tans dn h 1159-170', 11,184-190' 6 SPF. 7.5 0/2009report 0/2009repo	nale, 2 ions cool dn). Na			and gas Ki valves.
989	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11268'-58' 11268'-75' 11306'-11' 6 SPF (66 hole	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55" gauge rir 10/23/07 Clear vir block wilsos 02/13/08 Add Morrow perts 10, 02/13/08	. Dn size compth 4'. Ing to 11446', fourn of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg Valve L-80 tbg Valve -80 tbg tool t 7K packer -80 tbg	nd Morrow perfs oper rumped 4000 gal isos 2-115', 11,143-149', 1 ETAIL: from 12/2 S460.77 4,1 1852.16 4,1 1374.01 4,1 1685.58 4,1 30.85 1.8 9,1 31,46	L sol acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5' <u>0/2009report</u> <u>Depth</u> 32 5492.77 5490.87 7349.03 7349.03 7353.13 8648.82 8552.92 10790.49 10794.59 10825.44 10827.24 10830.34 1983.8	nale, 2 ions cool dn). Na			and gas KN valves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11236"-42' 11248"-58' 11265"-75' 11306"-11'	02/02/07 Swab total of 165 GW 02/13/07 SBHP 15568 @ 1127 06/01/07 Swab total of 95 BW, 10/03/07 RitH w1.55° gauge tri 10/23/07 Clear vir block wilsos 02/13/08 Add Morrow peris 10,	. Dn size compth 4'. Ing to 11446', fourn of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg Valve L-80 tbg Valve -80 tbg tool t 7K packer -80 tbg	nd Morrow porfs oper comped 4000 gal Isos 2-115', 11,143-149', 1 ETAIL: from 12/2' Length 32' 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1 30.85 1.8 9.1 31.46 4.1	L. sol acid + 62 tols CO2 (60 tons on h 1153-170', 11,184-190' 6 SPF. 7.5 <u>0/2009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02000000000000000000000000000000</u>	nale, 2 ions cool dn). Na			and gas IXI valves.
	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11268'-58' 11268'-75' 11306'-11' 6 SPF (66 hole	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RH w1.55" gauge rir 10/23/07 Clear vir block wilsos 02/13/08 Add Morrow perts 10, 02/13/08	. Dn size compt 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg Valve : L-80 tbg : L-8	nd Morrow porfs oper comped 4000 gal Isos 2-115', 11,143-149', 1 ETAIL: from 12/2' Length 32' 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1 30.85 1.8 9.1 31.46 4.1	L sol acid + 62 tols CO2 (60 tons on h 1159-170', 11,184-190' 6 SPF. 7.5' <u>0/2009report</u> <u>Depth</u> 32 5492.77 5490.87 7349.03 7349.03 7353.13 8648.82 8552.92 10790.49 10794.59 10825.44 10827.24 10830.34 1983.8	nale, 2 ions cool dn). Na			and gas Ki valves.
1/2" 17#	PERFED AT: 10905-909,11102-115,143-149 11159-170,11184-190 6 SPF 11238'-42' 11268'-58' 11268'-75' 11306'-11' 6 SPF (66 hole	02/02/07 Swab total of 165 GW 02/13/07 SBHP 1556# @ 1127 06/01/07 Swab total of 95 BW. 10/09/07 RHH w1.55" gauge rir 10/29/07 Clear vir block wilso: 02/13/08 Add Morrow perts 10,	. Dn size compt 4'. Ig to 11446', foun of Treatment. Pr 905-909', 11,102 <u>TUBING DE</u> <u>TUBING DE</u> Valve E L-80 tbg Valve E L-80 tbg Valve : L-80 tbg : L-8	nd Morrow ports open comped 4000 gal isos 2-115', 11,143-148', 1 ETAIL: from 12/2 ienath 32 5460.77 4.1 1852.16 4.1 1374.01 4.1 1685.58 4.1 30.85 1.8 9.1 31.46 4.1 497.36	L. sol acid + 62 tols CO2 (60 tons on h 1153-170', 11,184-190' 6 SPF. 7.5 <u>0/2009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02009report</u> <u>02000000000000000000000000000000</u>	nale, 2 ions cool dn). Na			and gas Ki valves.

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