API NO. 15- 093-21727-0000

County **KEARNY**

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
ACO-1 WELL HISTORY

Wellsite Geologist: Designate Type of Completion X New Well Re-Entry Workover Oil SWD SIOW Temp. Abd. X Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc.) Feet depth to W/ Sx cmt. Designate Type of Completion Well Name: Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. Other (SWD or Inj?) Docket No. 3/7/03 3/9/03 4/24/03 Multiple Stage Cementing Collar Used? If yes, show depth set Feet If Alternate II completion, cement circulated from feet depth to W/ Sx cmt. Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Feet depth to Prize No. Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content 19,000 ppm Fluid volume 700 bb Dewatering method used DRTED AND FTIJED Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rge. E/	DESCRIPTION OF WELL AND LEASE	w/2 - NW - NW - SW Sec. 17 Twp. 24s Rge. 35W X W
Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or SW (circle one) Lease Name DODGE CITY Well # 3 Producing Formation COUNCIL GROVE Elevation: Ground 2997 KB 3004 Total Depth 2867 PBTD 2866 Amount of Surface Pipe Set and Cemented at 960 Fee Multiple Stage Cementing Collar Used? Yes X Nellsite Geologist: Designate Type of Completion X New Well Re-Entry Workover Oil SWD SIOW Temp. Abd. X Gas ENHR SIGW Ofter (Core, WSW, Expl., Cathodic, etc.) Footages Calculated from Nearest Outside Section Corner: NE, SE, NW or SW (circle one) Lease Name DODGE CITY Well # 3 Producing Formation COUNCIL GROVE Elevation: Ground 2997 KB 3004 Total Depth 2867 PBTD 2866 Amount of Surface Pipe Set and Cemented at 960 Fee Multiple Stage Cementing Collar Used? Yes X N If yes, show depth set Fee feet depth to W Sx cmt. Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Dewatering method used DRITED AND FILLED Dewatering method used DRITED AND FILLED Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rge. Ef	Operator: License # 5952	2283' S Feet from SN (circle one) Line of Section
City/State/Zip HOUSTON, TX 77253-3092 Purchaser: Deparator Contact Person: SUE SELLERS Phone (281) 366-2052 Contractor: Name: CHEYENNE IRITLING MAY 1 License: 5382 Wellsite Geologist: Designate Type of Completion X Gas ENHR SIGW Temp. Abd. SIGW Temp. Abd. Type of Completion Operator: Well SWD SIGW Temp. Abd. Type of Completion Operator: Well Name: Comp. Date Old Total Depth Despring Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Adv. Av24/03 NE, SE, NW or SW (circle one) Lease Name DODGE CITY Well # 3 NE, SE, NW or SW (circle one) Lease Name DODGE CITY Well # 3 Producing Formation COUNCIL GROVE Elevation: Ground 2997' KB 3004' Total Depth 2867' PBTD 2866' Amount of Surface Pipe Set and Cemented at 960' Fee Multiple Stage Cementing Collar Used? Yes X N Multiple Stage Cementing Collar Used? Yes X N If Alternate II completion, cement circulated from feet depth to W/ sx cmt. Drilling Fluid Management Plan (Date must be collected from the Reserve Pith J J Collar must be collected from the Reserve Pith J J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Reserve Pith J Collar must be collected from the Re	Name: BP AMERICA PRODUCTION COMPANY	Feet from €/W circle one) Line of Section
Producing Formation COUNCTL GROVE Elevation: Ground 2997 KB 3004 Total Depth 2867 PBTD 2866 Multiple Stage Cementing Collar Used? Yes x N Multiple Stage Cementin	Address p. o. BOX 3092, WL1-RM 3.201	- I
Producing Formation COUNCIL GROVE Phone (281) 366-2052 Contractor: Name: CHEYENNE DRILLING MAY 1 License: 5382 Wellsite Geologist: Designate Type of Completion X New Well Re-Entry Workover Oil SWD SIOW Temp. Abd. X Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc.) If Workover/Reentry: Old Well Info as follows: Operator: Well Name: Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Contractor: Name: CHEYENNE DRILLING MAY 1 Total Depth 2867 PBTD Amount of Surface Pipe Set and Cemented at 960 Fee Multiple Stage Cementing Collar Used? Yes X N Multiple Stage Cementing Collar Used? Yes X N If yes, show depth set If Alternate II completion, cement circulated from feet depth to W/ Sx cmt. Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content 19,000 ppm Fluid volume 700 bb Dewatering method used DRIED AND FILLED Location of fluid disposal if hauled offsite: Operator Name Lease Name Lease Name License No. Quarter Sec. Twp. S Rge. Ef	City/State/Zip HOUSTON, TX 77253-3092	Lease Name DODGE CITY Well # 3
Elevation: Ground 2997 KB 3004	Purchaser:	
Phone (281) 366-2052 Contractor: Name: CHEYENNE DRILLING MAY License: 5382 Wellsite Geologist: Designate Type of Completion X Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc.) If Workover/Reentry: Old Well Info as follows: Coperator: Well Name: Comp. Date Old Total Depth Peepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. Divertion: Ground 2997' Total Depth 2867' New Baff': Amount of Surface Pipe Set and Cemented at 960' Fee Multiple Stage Cementing Collar Used? Yes X New Yes X New Total Stage Stage Stage Stage Stage Stage Stage Stage Sta	Operator Contact Pomon: Annual Contact	Producing Formation COUNCIL GROVE
Amount of Surface Pipe Set and Cemented at 960¹ Fee Multiple Stage Cementing Collar Used? Yes x N	RES	Elevation: Ground 2997 KB 3004
Amount of Surface Pipe Set and Cemented at 960¹ Fee Multiple Stage Cementing Collar Used? Yes x N	(281) 366-2052	Total DepthPBTDPBTD
Sesignate Type of Completion X New Well Re-Entry Workover	Contractor, Name. Cheyenne Drilling	Amount of Surface Pipe Set and Cemented at 960' Feet
Sesignate Type of Completion X New Well Re-Entry Workover	Wellsite Geologist:	Multiple Stage Cementing Collar Used? Yes X No
X New Well Re-Entry Workover	Designate Type of Completion	If yes, show depth set Feet
SIOW Temp. Abd. SIGW Temp. Abd. Since Sinc		
Dry Other (Core, WSW, Expl., Cathodic, etc.) f Workover/Reentry: Old Well Info as follows: Operator: Well Name: Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 3/7/03 3/9/03 4/24/03 Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) // Conv. to Inj/SWD Dewatering method used DRTED AND FILLED Dewatering method used DRTED AND FILLED Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rge. E/		
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Comp. Date Old Total Depth Dewatering method used DRTED AND FILLED Deepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 3/7/03 3/9/03 4/24/03 Dewatering method used DRTED AND FILLED Location of fluid disposal if hauled offsite: Dewatering method used DRTED AND FILLED Location of fluid disposal if hauled offsite: Operator Name Lease Name Lease Name Cuarter Sec. Twp. S Rge. E/		n
Deepening Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 3/7/03 3/9/03 4/24/03 Location of fluid disposal if hauled offsite: Operator Name License No. Quarter Sec. Twp. S Rge. E/	Comp. Date Old Total Depth	
Plug Back	Deepening Re-perf Conv. to Inj/SWD	
Commingled	PBTD PBTD	
Other (SWD or Inj?)	Commingled Docket No.	Operator Name
3/7/03 3/9/03 4/24/03 — Quarter SecTwpS RgeE/		Lease Name License No
3/1/03 3/9/03 4/24/03		Quarter Sec. Twp. S Rge. E/M
		County Docket No.
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Marke	- Room 2078, Wichita, Kansas 67202, within 120 days of the sp	pud date, recompletion, workover or conversion of a well.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 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.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Sue	Silles	
Title STAFF ASSISTANT		111 Date S03 407-63
Subscribed and sworn to be 20 03. Notary Public Unn	fore me this 7TH	ANNA ANA SANA SANA SANA SANA SANA SANA
Date Commission Expires	4-30-04	STATE PROPERTY OF THE PROPERTY
		APRILIMIN

K.C.C. OFFICE USE ONLY												
F Letter o	F Letter of Confidentiality Attached											
C Wireline	Log Received											
C Drillers	Timelog Received											
	Distribution											
KCC	SWD/Rep	NGPA										
—— KGS	Plug	Other										
(Specify)												

SIDE TWO

Operator Name BP	AMERICA PROI		MPANY	Leas	e Nam	e DODGE CI	TY	Well #	3	
0 45 5 0	40 Dec 200	East		Cour	ıtv <u>I</u>	KEARNY			è.	
Sec. <u>17</u> Twp. <u>2</u>	48 kge. <u>35W</u>	X West		Oddin	,	•			\$.4. ***	
INSTRUCTIONS: S interval tested, tim hydrostatic pressure if more space is nee	e tool open es, bottom hole	and closed e temperatu	flowing	and shut-	in pr	essures, wh	ether shut-in p	oressure r	eached static	leve
Drill Stem Tests Taken (Attach Additional S	heets.)	Yes	X No	[X	Log	ı	Formation (Top), [Depth and D	atums	ample
Samples Sent to Geolog	gical Survey	☐ Yes	x No	Naı	me		Тор	Da	tum	
Cores Taken		Yes	X No			* data				
Electric Log Run (Submit Copy.)		X Yes	☐ No	CHASE		ROVE	2 412 ' 2690'	KB KB		
List All E.Logs Run:					r.					
COMPENSATED SPECI	TAL NATURAL	GAMMA.				1 2	,,			
						:				
		CASING	RECORD	X New		sed				
	Repor	t all strings se	t-conducto	_	_	ate, production	, etc.			İ
Purpose of String	Size Hole Drilled	Size Ca Set (In 0		Weight Lbs./Ft.		Setting Depth	Type of Cement	# Sacks Type and Pe Used Additives		nt
SURFACE	12 1/4"	8 5/8"		24#		960'	PLITE3%/'C'	315 SXS	2%CC; 1/4#FI	œ
							PLITE3%/'C'	125 SXS	2%CC; 1/4#FI	œ
PRODUCTION	7 7/8" ADDITIONAL (4 1/2" EMENTING/	SQUEEZE	10.5# RECORD	:	2866'	PLITE3%/'C'	550 SXS	1/4# FLOCEL	E.
Purpose	Depth Top Bottom	Туре о	f Cement	#Sacks l	Jsed		Type and Pe	rcent Additiv	es	
Perforate Protect Casing Plug Back TD Plug Off Zone										\exists
	DEDECRATIC	L DECORD	Dridge Di	Sat/Time		Acid Er	acture, Shot, Ceme	oot Sacozo I	Pocord	\dashv
Shots Per Foot	PERFORATION Specify Footage				-		Kind of Material U		Depth	_
4	2704-2724					FRAC-W/15	0,000# 16/30	BRADY SA	ND 2704-27	24
						& 74	18,000' Q80 NZ	FOAM		
						ACID-W/50	0 GALS OF 15%	6 HCL	2704-27	24
							-		:	
TUBING RECORD	Size 2 3/8"	Set At		Packer At		Liner Run	☐ Yes 🗶	No		\neg
Date of First, Resumed			Produ	cing Method						\neg
4/24/03				Flowing	X P	umping Ga	as Lift Othe	er (Explain)		_
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf 340	Wate 0	er Bbls.	Gas-Oil F	Ratio	Gravity	
L Disposition of Gas:		OF COMPLET	ION				Production Interv	/al		
☐ Vented 🗶 Sold	Used on Lo	ease	Open H	łole 🗶 Perfo	ration	☐ Dually C	omp. Commin	gled		
(If vented, submit	ACO-18.)		Other ((Specify) _		,,,				

;16206243478 A- 26

***							ISALES ORDER	TATUTED.		TICKET DATE			
HALLIBURT	ON	JOB SI	JMN	IAR	Y			326974	, '		03/07/0)3	
REGION		INWA / COUNTRY IBDA							BDA / STATE COUNTY KEARNY				
Central Operations MBUID/EMPL#		H.E.S EMPLOYE	E NAME				PSL DEPARTM	TVG		114-214-14-1			
MCL10103 212723		JERRAK COMPANY		ANS			Cemen CUSTOMER RI	EP / PHONE					
LIBERAL		BP AME	RICA			30	7DAN KI	SER			<u>806-886</u>	<u> 5-6165 </u>	
TICKET AMOUNT \$8,926.35		02 Gas					<u> </u>						
WELL LOCATION LAKIN, KS		CEMENT	r				7521		1	ement Surf	ace Casi	ng 🛈	
LEASE NAME		I No. SEC/TWP/RNG		***			HES FACILITY	(CLOSEST T	WELL SI	TE)		1.1411.2	
HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	3 17 - 24S	- 3577		HRS		LIBERA	IL, NO	HRS			HR	
Evans, J 212723	5.0			 	I								
King, K 105942	5.0												
BERUMER, E 267804	5.0								-			 -	
Ferguson, R 106154	9.0 R/TMILE	<u></u>		R/T	MILES			R	/T MILES			R/T MILE	
10415642	190												
10219237	190												
10240236-10240245 10010748-10011278	130 130				\dashv				-				
Form. Name	Ty	e:											
Form. Thickness Packer Type	From	To		Date	Call	ed Out 3/7/2003	On Locat 3/7/2	ion 2003	Job	Started 3/8/2003	Job C	ompleted /8/2003	
Bottom Hole Temp.	Pre	essure										000	
Retainer Depth Tools and	To	tal Depth	<u> </u>	Time	(સંદુ કર્ય	1800	2200		pin kilita	0130		300	
Type and Size	Qty	Make				New/Used	Weight	Size	Grade	From	То	Max. Allow	
Float Collar Float Shoe		COMP		Casing Liner		NEW	24#	8 6/8		0	960		
Centralizers 41 SERIES	4	HOWCO		Liner									
Top Plug PLASTIC		HOWCO	_	Tubing Drill Pip									
HEAD 8 5/8 Limit clamp	7	HOWCO		Open F	lole			12 1	/4"		960	Shots/Ft.	
Weld-A		HOWCO	\Box	Perfora Perfora									
Guide Shoe TIGER TOOTH BTM PLUG				Perfora	tions	1	 						
Materi	als Density		Gal	Hours C Date	On Lo	ocation	Operatino Date	Hours Ho	irs				
Disp. Fluid	Density	Lb/	Gal	3/7		5.0	3/7	9.			Surface C	asing	
Prop. Type Size	} —	Lb			\dashv	 		+		CIRC CM	I IOPII		
Acid Type Gal		<u>%</u>			丰								
Acid Type Gal Surfactant Gal			_										
NE Agent Gal. Fluid Loss Gal.		in			_								
Gelling Agent Gal	Lb	in			士								
Fric. Red. Gal Breaker Gal		in	-	Total	ન તેટ	5.0	Total	9.0	,				
Blocking Agent	Gal	/Lb	\dashv .	A Complete St.	4.47			-					
Perfpac Balls	Qty.	•		Ordered	1		Hydrauli Avail.	o Horse	powe	Used	l		
Other						7	Average	Rates	n BPN	Overall			
Other				Treating	Ц	<u> </u>	Disp. Cemen	t Left in	Pipe				
Other				Feet 4	45	*	Reason			SHOE	JOINT		
and the state of t	est tekke	<u> </u>	Polysofturkini (1	483466	فختت	Photos (4) de districe	oranassa, visu	en programme in the	64.3.562k	esa da la composición de a composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela c	le klasia attak	acamatan in	
	Bulk/SI			Additives		Data - Propins	egy mingyestyk terker	Service Respond	191 K 197017	W/Rq.	Yield	Lbs/Gal	
1 316 HLC PP. 2 126 PREM PLUS		3% CC - 1/4# 2% CC - 1/4#								11.45 6.30	2.07 1.34	12.30 14.80	
3 PREMIPEOS	·	2/8 00 - 1/4/1	TLOOL							- 0,00	1.54	1,1,1,1	
4													
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Circulating	Disp	lacement	era i per et ant e	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	P	reflush:	BBI			Type:			
3reakdown Lost Returns-\		(IMUM Returns-1				oad & Bkdn: (xcess /Return				Pad:Bbl - Calc.Disp			
Cmt Rtrn#Bbl	Actu	ial TOC			C	alc. TOC:				Actual Di		58	
Average Shut in: Instant	Frac 5 Mi	. Gradient n	15 Min_		$\Box c$	ement Slurry		سرا بنوست	5.0	الاط.برداب		· · · · · · · · · · · · · · · · · · ·	
rac Ring #1		rac Ring # 2			T(otal Volume	BBI		4.00	rac Ring#	A .		
THE INFORMATION ST				СХ		· · · · · · · · · · · · · · · · · · ·		· , · .	: :115	iau rilly#			
CUSTOMER REPRESE				//	7	1							
							GNATURE						

HALLIBURTON JOBLOG 03/07/03 2326974 DDA / STATE COUNTY Mid Contitnent/USA Central Operations MC/Ks **KEARNY** MBU ID / EMPL # H.E.S EMPLOYEE NAME PSL DEPARTMENT MCL10103 212723 <u>JERRAKO EVANS</u> <u>Cement</u> **BP AMERICA** LIBERAL **DAN KISER** 806-886-6166 \$8,926.35 02 Gas DEPARTMENT JOB PURPOSE CODE Cement Surface Casing LAKIN, KS CEMENT EASE NAM SEC/TWP/RNG 17 - 24S - 35W DODGE CITY LIBERAL, KS HES EMP NAME/EMP # (EXPOSURE HOURS) HRSDEB EMP NAME/EMP # (EMPOSURE HOURS) HRS HES EMP NAMEZEMP & (EXPOSURE HOURS) HRS HES EMP NUMERINP & (EXPOSURE HOURS) HRS Evans, J 212723 King, K 105942 5 **BERUMER, E 267804** Ferguson, R 106154 Rate Job Description / Remarks Chart Time Volume Rate Press.(PSI) No: (BBLXGAL) N2 CSG (BPM) 2200 JOB READY 1800 CALLED OUT FOR JOB 1930 PRE-TRIP SAFETY MEETING 2145 PUMP TRUCK ON LOCATION JOB SITE ASSESMENT 2200 **RIG UP TRUCKS** RIG CIRC ON BOTTOM 1145 START RUNNING CASING & FE (8 5/8) 0105 CASING ON BOTTOM(960 FT) 0115 HOOK UP PC & CIRC IRON 0125 CIRC WITH RIG PUMP 0135 THROUGH CIRC/ HOOK UP TO PUMP TRUCK 0136 1500 **TEST LINES** 0138 6.0 5.0 **PUMP WATER SPACER** 0139 6.0 116.0 0-150 START MIXING LEAD CMT @12.3# 0155 6.0 30.0 200 START MIXING TAIL CMT @14.8# THROUGH MIXING CMT/ DROP PLUG 0201 6.0 START DISP WITH FRESH WATER 0-300 0211 2.0 48.0 350 SLOW RATE 0215 2.0 58.0 1000 **BUMP PLUG** 0216 RELEASE FLOAT HELD CIRC CMT TO PIT CENTRALIZERS TOP OF 1ST, THEN EVERY 4TH THANKS FOR CALLING HALLIBURTON **JERRAKO & CREW**

HALLIBURTO	I. MC	OB SUM	/MAF	8A		SALES ORDER	328946	TICKET DATE	03/09/0	3	
GION CENTRAL Operations		NWA/COUNTRY Mid Contitr				BDA /STATE		COUNTY			
UID/EMPL#		HES EMPLOYEE NAM	E			PSL DEPARTM		1 4 4 10 1 1 1 1 1 1	-		
CATION A PORTION IBERAL		COMPANY BP AMERIC			9:	CUSTOMER R	EP / PHONE		20c.004	2.6400	
KETAMORIT 9,522.80		WELL TYPE	<u> </u>		3	APIUMI S	3 <u>5</u> K		806-886	<u> </u>	
ELL LOCATION		02 Gas DEPARTMENT			 	SAP BOMB NU	MBER	Cement Pr	aduction C	asing	
AKIN, KS ASENAHE	Weil No.	CEMENT SEC/TWP/RNG			·····	7523	CLOSEST TO WEL		- Cudcuon C	asing	
ODGE CITY	3	17 - 245 - 3	5W			LIBERA	L, KS				
S EMP NAME / EMP # / (EXPOSURE HOURS) Vans, J 212723	HRS 4.5	·		HRS			<u> </u>	RS.		·- 	
ing, K 105942	4.5										
liphant, C 243056 ERUMER, E 267804	45			╁┼		-					
.S. UNIT #S / (R / T MILES)	R/T MILES		R /	T MILES			R/TMI	LES		R/	
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10243558-6611	130										
1001406-10011590 [orm. Name	130 Type:										
orm. Thickness	Type:	То		Calle	Out	On Locat		ob Started		omplete	
acker Type ottom Hole Temp.	Set At Pressu	re	Date	3	1/9/2003	3/9/2	003	3/9/2003	3	9/2003	
etainer Depth Tools and A	Total D	epth	Time		730	1130		1430		300	
Type and Size	Qty	Make			New/Used	Weight	Size Grad	e From	To	Max. All	
oat Collar IFS oat Shoe	1 HO	NCO	Casing Liner	1	NEW	10.5#	4 1/2"		2,866	 	
entralizers S-4 p Plug ALUM		NCO	Liner					ļ			
AD 4 1/2		NCO NCO	Tubing Drill Pi				1	-			
nit clamp eld-A	1 HOV	VCO	Open Perfor				7 7/8"		2,867	Shots/	
ide Shoe			Perfor	ations							
MPLUG Material	1664 1000 (046)	endarevi eta ja	Perfor Hours	On Loc	ation	Operating	l Hours	Descri	tion of Job		
sp. Fluid D	ensity ensity	Lb/Gal	Dat		Hours 4.5	<u>Date</u> 3/9	Hours 8.5	1	Production		
op. Type Size		Lb									
ld Type Gal.		%									
id Type Gal. rfactant Gal.		%						┨	·		
AgentGal. id LossGal/L		n]			
lling AgentGal/L	bI	n									
eaker Gal/L	bi	n	Total	935	4.5	Total	8,5	·			
cking Agent fpac Balls	_Gal/Lb_ _Qty.					Hydraulic		er'er			
ier			Ordere	<u> </u>		Avail.		Use	d		
er			Treating	1		Average I Disp.		Overall			
erer			Feet		,	Cement Reason	Left in Pipe		JOINT		
											
ge Sacks Cement B	ulk/Sks I		Cer Additives		ata WANG GO		48868-4654	J W/Ra.	Yield I	Lbs/Ga	
550 HLC PP		4# FLOCELE						11.41	2.04	12.27	
									1		
eulating	Dienless		Sun	mary			jarona, ji te		例(1) (1) (基础)	e Attal	
akdown	Displace MAXIMU	M		Loa	d & Bkdn: (BBI [Sal - BBI _		Type: Pad:Bbl	- *		
Returns-\Rtrn#Bbl	Lost Retu	ırns-ı		Exc	ess /Return	BBI		Calc.Dis	p Bbl	46	
rage t in: Instant	Frac. Gra			Trea	atment (Sal - BBi	MAIN W	Actual D Disp:Bbl			
	5 Min		/ i	Tota	nent Slurry al Volume	BBI -	200.0 245.60				
Ring #1	Frac	Ring #2			Frac Ring #	3		Frac Ring #	A		

ORIGINAL.

HAL	LIBL	JRT	ON	JO	B LO	}		тіскет # 2328946	03/09/03			
REGION Central (Operatio	ns		id Con	titnent/	ISA		BDA / STATE MC/Ks	COUNTY			
MBU ID / EMPL #			H.E.	S EMPLOYE	E NAME	PSL DEPARTMENT						
MCL10103 212723 JERRAKO EVANS								Cement CUSTOMER REP / PHONE				
LIBERAL TICKET AMOUNT	RAL BP AMERICA							DAN KISER	806-886-6166			
\$9,522.80					02	Gas		APUWI #				
WELL LOCATION LAKIN, K	S			RIMENT MENT	•			JOB PURPOSE CODE	of Production Coping			
EASE NAME DODGE (Well N	o. SEC	TWP/RNG - 24S -				HES FACILITY (CLOSEST TO V	nt Production Casing			
ES DAP NAMEDOPI			S ES EMP NA			HRSHERI	DAP NAMEJEMP & (EXPOSU	LIBERAL, KS	SHES ENP NUMERONP & (EXPOSURE HOURS) HR			
Evans, J 2	12723	4.0				1	7,00	1000	The same services of the same			
King, K 10	5942	4.5				 						
Oliphant, (4.5	1			+						
BERUMER						++						
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.6				Ja va Arus					
Chart	Time	Rate	Volum	e Rate	Pres	is.(PSI)		Job De	scription / Remarks			
No.	444	(BPM)	(BBLKGAL)	N2	Cse	The						
	1130						JOB READ	Υ				
	0730	<u> </u>	<u> </u>	-		<u> </u>		UT FOR JOB				
	0900		ļ	+	 	4		SAFETY MEETING				
	1100 1115		 		 	 			JOB SITE ASSESMENT			
	1110			┪		 -	RIG UP TR					
	1220	<u></u>		- 	 	 	RIG PULLI	NNING CASING & FI	= 14 450			
	1345			 		 		N BOTTOM (6866 FT				
	1355			1 -	 	1		C & CIRC IRON	,			
	1405						CIRC WITH					
							THROUGH	CIRC / HOOK UP TO	PUMP TRUCK			
ν.	1425				3000		TEST LINE	3				
	1426	6.0	5.0	 				ER SPACER				
	1427 1502	6.0	200.0	 	0-250			ING CMT @12.3#				
	1507			 				MIXING CMT/ WASH	I PUMP & LINES			
	1508	6.0	-	-	0-700		DROP PLUG	WITH 2% KCL				
	1516	2.0	36.0		650		SLOW RATI					
	1520	2.0	46.0		1400		BUMP PLUG					
	1521							LOAT HELD				
	1600						LEAVE LOC	ATION				
							CIRC CMT 1					
							CENT. TOP	OF 1ST, 3RD, 4TH, 6	тн, 6тн, 7тн			
				-			 					
							T1100/20 T0					
							JERRAKO &	R CALLING HALLIB	URION			
				 			VERKAKU &	CKEAA				

								-				