KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION



WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License #_33074	API No. 15 - 205-25566-00-00
Name: Dart Cherokee Basin Operating Co., LLC	County: Wilson
Address: P O Box 177	SE_SE_Sec. 35_Twp. 30_S. R. 15_
City/State/Zip: Mason MI 48854-0177	500' FSL feet from S / N (circle one) Line of Section
Purchaser: Southern Star	660' FEL feet from E / W (circle one) Line of Section
Operator Contact Person: Beth Oswald	Footages Calculated from Nearest Outside Section Corner:
Phone: (<u>517</u>) <u>244-8716</u>	(circle one) NE SE NW SW
Contractor: Name: Mocat	Lease Name: Art Small Well #: D4-35
License: 5831	Field Name: Neodesha
Wellsite Geologist: Bill Barks	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground: 1012' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1468' Plug Back Total Depth: 1425'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21' Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
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 1960
Operator:	feet depth to w/ sx cmt.
•	feet depth to 0 w/ 220 sx cmt.
Well Name:Original Total Depth:	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
Plug Back — Plug Back Total Depth	Chloride content NA ppm Fluid volume 85 bbls
	Dewatering method used empty w/ vac trk and air dry
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No Other (SWD or Enhr.?) Docket No	Operator Name: Dart Cherokee Basin Operating Co
Other (SWD or Enhr.?) Docket No	Lease Name: Scott 10 License No.: 33074
9/20/02 9/25/02 10/12/02 Spud Date or Recompletion Date Date Reached TD Date or Recompletion Date Completion Date or Recompletion Date	Quarter NW Sec. 10 Twp. 31 S. R. 15 ✓ East West County: Montgomery Docket No.: D-24260
Resubmitted 3-24-06 to include perf record	
Kansas 67202, within 120 days of the spud date, recompletion, workove 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. I2 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 regular herein 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 With Awald	KCC Office Use ONLY
Title: Admin Fingr Asst Date: 3-24-06	Letter of Confidentiality Attached
Subscribed and sworn to before me this 24th day of March	If Denied, Yes 🔀 Date: 4-22-03 DAV
	' 16
72 DCC(c	No Geologist Report Received - Man Wa
Notary Public: Yourn't Staceton KAREN L. W. Notary Public -	
Date Commission Expires: Ingham C	ounty KCC Wicher
My Commission Expl Acting in the Coun	

Operator Name: Dar	t Cherokee Bas	in Operat	ing Co., LLC	Leas	se Name:_/	Art Small		Well #: _D4-	-35	
Sec. 35 Twp. 3	30 s. R. 15	. ✓ East	West	Cour	nty: Wilso	on				
INSTRUCTIONS: Sh tested, time tool oper temperature, fluid red Electric Wireline Logs	n and closed, flowin covery, and flow rate	g and shut- s if gas to	in pressures, v surface test, al	vhether ong with	shut-in pre	ssure reached	static level, hydro	static pressur	es, bottom ho	le
Drill Stem Tests Take		Ye	es √ No		Lo	og Formati	on (Top), Depth a	nd Datum	√ Samı	ple
Samples Sent to Geo	ological Survey	☐ Ye	es ✓ No		Name	е		Тор	Datu	m
Cores Taken Electric Log Run (Submit Copy)		Ye ✓ Ye			See	Attached				
List All E. Logs Run:										
High Resolution	Compensated D	ensity Ne	eutron CASING F	RECORD) Ne	w Used				
	Size Hole	T	t all strings set-co		surface, inte	rmediate, produc	tion, etc.	# Sacks	Type and P	Parcent
Purpose of String	Drilled		(In O.D.)		s. / Ft.	Depth	Cement	Used	Additiv	
Surf	11"	8 5/8"				21'	Class A	4		
Prod	6 3/4"	4 1/2"		10.5		1448'	50/50 Poz	220	See Attac	hed
			ADDITIONAL	CEMEN	TING / SQL	JEEZE RECORE)			
Purpose: Perforate Protect Casing	Depth Top Bottom	Туре	of Cement	#Sac	ks Used		Type and Po	ercent Additives	3	
Plug Back TD Plug Off Zone										
	DEDECRAT	ION DECOD	D. Daldas Dive	- 0-4/7		A -: J F	-t Obt- O	O D		
Shots Per Foot			D - Bridge Plug ach Interval Perf		oe .	Acid, Fra (Ar	cture, Shot, Cement mount and Kind of Ma	terial Used)		Depth
4				1317	.5'-1319'	500 gal 7.5	% Fe HCI, 201	5# sd, 215	BBL fl	
4	1173.5'-1175' / 117	0.5'-1171.5'	/ 1153.5'-1155	.5' / 1114	4.5' - 1120'	500 gal 7.5% F	e HCl, 60- bio-balls	s, 9620# sd, 37	O BBL fi	
4			- Mark	1040	.5'-1042'	500 gal 7.5	% Fe HCI, 240)5# sd, 201	BBL fl	
4/2			979'-983	s' / 942'	' - 948.5'	500 gal 15% l	HCI, 58 bio-balls,	9800# sd, 34	O BBL fl	
TURING RECORD	Size	Cat At		Dl		Lines Dun				
TUBING RECORD 2 3	3/8"	Set At 1360'	N	Packei IA	rAt	Liner Run	Yes ✓ No			
Date of First, Resumed 1/8/03	Production, SWD or E	nhr.	Producing Metho	od	Flowing	y ✓ Pumpi	ng Gas Lift	Othe	er (Explain)	
Estimated Production Per 24 Hours	oil NA	Bbls.	Gas I	Mcf	Wate	r B	bls. G	as-Oil Ratio	Gi NA	ravity
Disposition of Gas	METHOD OF	COMPLETIO			L	Production Inter				9
Vented ✓ Sold (If vented, Su	Used on Lease		Open Hole		erf. D	ually Comp.	Commingled		RECEI	VED
	•		Guiei (Specii	y/					****** 27	2006
								K	MAR 27 CC WIC	HITA



Kansas Corporation Commission Oil & Gas Conservation Division



Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

W22111616111 5266111	
Operator: License #	API No. 15 - 205-25566-00-00
Name: Dart Cherokee Basin Operating Co., LLC	County: Wilson
Address: P O Box 177	<u>- SE_SE</u> Sec. 35 Twp. 30 S. R. 15 🗹 East West
City/State/Zip: Mason MI 48854-0177	500' FSL feet from S / N (circle one) Line of Section
Purchaser: Southern Star RECEIVED	660' FEL feet from E / W (circle one) Line of Section
Operator Contact Person: Beth Oswarts CORPORATION COMMISSION	Footages Calculated from Nearest Outside Section Corner:
Phone: (517) 244-8716	(circle one) NE SE NW SW
Contractor: Name: Mocat MokaTT 10 2000	Lease Name: Art Small Well #: D4-35
License: 5831 Rill Barks CONSERVATION DIVISION	Field Name: Neodesha
Wellsite Geologist: Bill Barks CONSERVATION DIVISION WICHITA, KS	Producing Formation: Penn Coals
Designate Type of Completion:	Elevation: Ground: 1012' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1468' Plug Back Total Depth: 1425'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1940
Operator:	feet depth toO w/220 sx cmt.
Well Name:	Dilling Flyid Management Blan Art II 1911 2/12/51
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan Att II WHM 3 17 06 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume 85 bbls
Plug Back Plug Back Total Depth	Dewatering method used empty w/ vac trk and air dry
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	·
Other (SWD or Enhr.?) Docket No	Operator Name: Dart Cherokee Basin Operating Co
9/20/02 9/25/02 10/12/02	Lease Name: Scott 10 License No.: 33074
Spud Date or Date Reached TD Completion Date or	Quarter NW Sec. 10 Twp. 31 S. R. 15 \checkmark East West
Recompletion Date Recompletion Date	County: Montgomery Docket No.: D-24260
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. months if requested in writing and submitted with the form (see rule 82-3-nd geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
- A /	NCC Office use UNLY
Title: Engr ASS + Date: 4-8-03	Devy Letter of Confidentiality Attached
Subscribed and sworn to before me this the day of April	If Denied, Yes Date: 4-22-03 DPu
183003.	Wireline Log Received Geologist Report Received DAGC, Leaver
Notary Public: 4000 840000	UIC Distribution
Karen L. Wellon	
Date Commission Expires: Notary Fubits, Ingiam County, 1 My Comm. Expires Mar. 3, 200	7

Side Two

Operator Name: Da	rt Cherokee Bas	in Opera	ating Co., LLC	C_ Leas	e Name:	Art Small		_ Well #: _D4	-35	
Sec. 35 Twp	30 s. R. 15	✓ Eas	st West	Count	ty: Wils	on				
tested, time tool ope temperature, fluid re	how important tops a n and closed, flowing covery, and flow rate is surveyed. Attach	g and shu s if gas to	t-in pressures, surface test, a	whether s long with	shut-in pro	essure reached	static level, hydro	static pressu	res, bottom h	ole
Drill Stem Tests Take		Y	∕es ✔ No		L	.og Forma	ion (Top), Depth a	ınd Datum	✓ San	nple
` Samples Sent to Ge		П	∕es ✔ No		Nam	ie		Тор	Dat	um
Cores Taken Electric Log Run (Submit Copy)	Y Y	′es v No ′es No		See	Attached	Attached RECEIVED KANSAS CORPORATION COMMISSION				
List All E. Logs Run:							APR 10 20	03		
High Resolution	Compensated D	ensity N	leutron			C	ONSERVATION DIV WICHITA, KS			•
		Repo	CASING ort all strings set-c	RECORD		ew Used	ction, etc.	,		
Purpose of String	Size Hole Drilled	Si	ze Casing et (In O.D.)	We	eight . / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Addit	
Surf	11"	8 5/8"				21'	Class A	4		
Prod	6 3/4"	4 1/2"		10.5		1448'	50/50 Poz	220	See Atta	ched
			ADDITIONAL	OFMENT		 	<u></u>			
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Тур	e of Cement		s Used	JEEZE RECOR	······································	Percent Additive	S	
Shots Per Foot			RD - Bridge Plug Each Interval Per				acture, Shot, Cement Amount and Kind of Ma		rd	Depth
	SEE ATTACHE	D								
TUBING RECORD 2	Size	Set At		Packer .	At	Liner Run	Yes ✔ No			
Date of First, Resumed	d Production, SWD or E	nhr.	Producing Meth	od	Flowin	g ✔ Pump	ing Gas Lif	ft Oth	er (Explain)	
Estimated Production Per 24 Hours	Oil NA	Bbls.	Gas 3	Mcf	Wat	er		Gas-Oil Ratio	NA	Gravity
Disposition of Gas	METHOD OF (COMPLETION				Production Inte				
Vented ✓ Sold (If vented, S	Used on Lease		Open Hole Other (Speci	Per	f. I	Dually Comp.	Commingled			

Afr Drilling Specialist Oil and Gas Wells

RECEIVED KANSAS CORPORATION COMMISSION



M.O.K.A.T. DRILLING Office Phone #1.20+879-5377



P.O. Box 590 Caney, KS 67333

Operator 1/4 1/4 Sec. Well No. Lease Loc. 1/4 D4-35 ART SMALL Date Started Date Completed State Type/Well Hours County Depth 9-24-02 WILSON KS 9-20-02 GAS 1468' CONSERVATION DIVISION Coring Record Bit Record Job No. Carsifigit DaedKS 20'9" OF 8 5/8" То % Rec. Size From Bit No. Type size From То Bit No. type Driller Cement Used **BILLY** 4 SACKS 6 3/4" Driller Rig No. Driller Hammer No.

Formation Record

From	То	Formation	From	То	Formation	From	To	Formation	From	То	Formation
0	7	SURFACE LIME	634	656	LIME	941	10	GAS TEST 2.5# 1/8"	1189	1290	SAND
7	37	SHALE	656	669	SHALE		945	COAL		1320	BLACK SHALE
37	95	LIME	669	669	SHALE		951	BLACK SHALE		1321	COAL
95	108	SHALE	669	684	LIME		962	LIME		1332	SHALE
108	130	LIME	684	686	SHALE	953	70.72	GAS TEST 1.5# 3/8"	1332	1360	LIME
130	265	SHALE	686	714	LIME		974	SHALE	1332		GAS TEST 7# 1/2"
265		LIME	714		SHALE			LIME	1342		GAS TEST 7# 1/2"
	276	SHALE	726		BLACK SHALE ·			SHALE	1360	1468	BROWN LIME
	277	COAL	731		SHALE			COAL			
277	280	SHALE	733		LIME			SHALE			TD 1468"
280	284	LIME	738	816	SHALE	991		GAS TEST 2# 3/8"			
	285	COAL		817	COAL	997		LIME			
	339	SHALE	817	822	SHALE	1003	1004	COAL			
	357	LIME	816		GAS TEST NO GAS	1004	1044	BLACK SHALE			
	374	SHALE	822	835	LIME	1044	1045	COAL			
374	424	LIME	835	837	BLACK SHALE	1045	1056	SHALE			
424	429	SHALE	837	842	LIME	1050		GAS TEST SAME			
429	433	LIME	841		GAS TEST NO GAS	1056	1090	SANDY SHALE			
	443	SHALE	842		BLACK SHALE	1090	1094	BLACK SHALE			-
443	445	SANDY SHALE	853		SANDY SHALE		1095	COAL			
445	446	COAL	856	866	SAND	1095	1116	SANDY SHALE			
446	474	SANDY SHALE	866		GAS TEST NO GAS	1098		GAS TEST 3# 3/8"			
474	475	COAL	866		SANDY SHALE	1116	1118	COAL			
475	480	BLACK SHALE	871	886	SAND	1118	1140	SHALE			
48Ô	496	SANDY SHALE			SANDY SHALE	1129		GAS TEST 8 5# 3/8"			
496	521	LIME DAMP	891		GAS TEST NO GAS	1140	1162	SAND			
521	610	SHALE	898	923	LIME OSWEGO	1162	1163	COAL			
		LIME			BLACK SHALE WATER	1163	1172	SANDY SHALE			
623	630	SHALE				1167		GAS TEST SAME			
		BLACK SHALE		932	SHALE	1172	1173	COAL			
632	634	SHALE	932	944	LIMEY SHALE	1173	1189	SANDY SHALE	1		<u> </u>

RECEIVED. KANSAS CORPORATION COMMISSION

CONSOLIDATED INDUSTRIAL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 316-431-9210 OR 800-467-8676

APR 10 2003

TICKET NUMBER

CONSERVATION DIVISION
TREATMENTAREPORT

DATE OUSTOMER ACCT # WELL NAME OTROTTS SECTION TYP ROE COUNTY FORMATION AND ALL STRUCTORY OF THE ACT OF THE AC	1 P 1 I I I I I I I I I I I I I I I I I		FOREIVIAN	Sim brech
CONTRACTOR OF A CONTRACT ON THE LEFT LOCATION SPECIAL STREET OF ANALYSIS SP	DATE CUSTOMER ACCT # WELL NAME OTRYOTR			TY FORMATION
MALLING ADDRESS P.D. Box 100 OPERATOR O O Gadhain ONTH SUCH MALL TO THE DESCRIPTION OF				_
DEPENDENT DATE OF THE ABANDON 1 POWER PRODUCTIONS PRIOR TO JOB EVENTS 1 POWER PLANT 1 PO	CHARGE TO DART	OWNER		
CONTRACTOR MO- / Drilling STATE ZIP CODE (38.3) DISTANCE TO LOCATION	MAILING ADDRESS P.O. Box 100	OPERATOR 300	Goodman	
TIME LEFT LOCATION TIME LEFT LOCATION TIME LEFT LOCATION THE LEFT LOCATION THE LEFT LOCATION THE LEFT LOCATION THE LEFT LOCATION TO LOCATION THE LEFT LOCATION TO LOCATION THE LEFT LOCATION TO LOCATION THE LEFT LOCATION TO LOCATION TO LOCATION TO LOCATION TO LOCATION TO LOCATION TO LOCATION THE LEFT LOCATION TO LOCATION THE LEFT LOCATION TO LOCAT	CITY Sycamore,	/3 4 .	KAT L	77
TIME ABRIVED ON LOCATION TIME LEFT LOCATION TIME LEFT LOCATION TYPE OF TREATMENT TOTAL DEPTH JATO JASING SIZE [] SURFACE PIPE [] ACID BREAKDOWN NAMED DEPTH LAGING ROBERT [] SURFACE PIPE [] ACID BREAKDOWN [] SOUREZE CEMENT [] ACID STIMULATION [] ACID STIMULATION [] SOUREZE CEMENT [] ACID STIMULATION [] ACID STIMULATION [] ACID STIMULATION [] ACID	STATE 1/5 ZIP CODE 1/3/63	DISTANCE TO LOCATION	30	and the second second
TYPE OF TREATMENT TOTAL DEPTH JAPANIA SIZE JACID BREAKDOWN [] SURFACE PIPE [] ACID BREAKDOWN ASSING DEPTH TREAT PLOOF Value [] SURFACE PIPE [] ACID BREAKDOWN [] ACID STIMULATION [] SOUJEZE CEMENT [] ACID STIMULATION [] PLUE & ABANDON [] FRAC [] PLUE BACK [] PLUE BACK [] PLUE BACK [] PLUE BACK [] PROBATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS SURFACE PIPE ANNULUS LONG STRING TUBING SURFACE PIPE ANNULUS LONG STRING THEORETICAL INSTRUCTED ANNULUS LONG STRING TUBING SURFACE PIPE ANNULUS LONG STRING THEORETICAL INSTRUCTED ANNULUS LONG STRING TUBING SURFACE PIPE ANNULUS LONG STRING THEORETICAL INSTRUCTED ANNULUS LONG STRING TUBING SURFACE PIPE ANNULUS LONG STRING THEORETICAL INSTRUCTED ANNULUS LONG STRING TUBING SURFACE PIPE ANNULUS LONG STRING THEORETICAL INSTRUCTED ANNULUS LONG STRING THOORET ANNULUS LONG STRING THOOR				
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PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS PRESSURE LIMITATIONS SURFACE PIPE ANNULUS LONG STRING TURING TURING PRESSURE THEORETICAL INSTRUCTED ANNULUS LONG STRING TURING PRESSURE STRING TO AS COMENT ONE COUCHT PRESSURE SUMMARY PRESSURE SUMM		[] MISC PUMP		[] FOAM FRAC
PRESSURE SUMMARY DESCRIPTION S SURFACE PIPE ANNULUS LONG STRING TUBING TUBING TUBING TUBING TUBING TUBING TUBING TO VAC CG, JOB SUMMARY DESCRIPTION OF JOB EVENTS Establish Circulation Pump Bobs I red coment of ISAPPLOTA I Comental Summer C		[]OTHER		[] NITROGEN
SURFACE PIPE THEORETICAL INSTRUCTED SURFACE PIPE ANNULUS LONG STRING TUBING SUBING SUBING SURFACE PIPE ANNULUS LONG STRING TUBING SUBING SUBING SURFACE PIPE ANNULUS LONG STRING TUBING SUBING SUBING SUBING SURFACE PIPE ANNULUS LONG STRING TUBING SUBING				
SUPPRICE PIPE ANNULUS LONG STRING TUBING STREATMENT VIA INSTRUCTIONS PRIOR TO JOB Hole Gelled Ahead to Log Cement One well BY PUTG, 128 PTOP, 122 BT DL 370 Vac GG, JOB SUMMARY DESCRIPTION OF JOB EVENTS [5 tab] (5 k cir (w a rich from 10 bb) Prd, Pump 16 bb) Prd, Pump 16 bb Diffe Marker with mud Flush Mixand pump 605. Irad cement of 188 PPW tailcement Ladau at 14 B PM Vidl 137. Mixing Hulls in lead, Flush pump (lear of cement) Pump 15 rubber plug to total depth of casing circulating 6 BBL return Cement Plug set at 1925. Cement Mix Profor Stillsente, 52 Salah 14 F10 Jeal 23 Hole was pregelled ran no gel shead of job. PRESSURE SUMMARY PRESSU	PERFORATIONS	F	T	
THEATMENT VIA NOTERUCTIONS PRIOR TO JOB HOLE Gelled Ahead TO Log Comen To One welf 389 PU TG, 128 PT OP, 122 BT DL 370 Vac CG, JOB SUMMARY DESCRIPTION OF JOB EVENTS [546] ISL CIT (w/a roch Pump 18 bb) Prd, Pump 16 b Dye Marker with much Flush, Mixand pump 6050 trad coment of 188 PPU tailcement Leosa at 14 May May Xeld 137. Mixing 46/15 in lead. Thush pump Clear of coment. Pump 15 rubber plug to total depth of casing circulating 6882 return Coment Pressure up to 860° PST, well held good. SET Float check with wireline. Hole was pregelled, ran no gel whead of job. PRESSURE SUMMARY BREAKDOWN or CIRCULATING PRESSURE SUMMARY BREAKDOWN or CIRCULATING PRESSURE SUMMARY PSI BREAKDOWN OF CIRCULATING PSI BREAKDOWN BPM INITIAL BPM FINAL BPM FINAL BPM MAXIMUM		SURFACE PIPE	IHEORETIC	JAL INSTRUCTED
ANSTRUCTIONS PRIOR TO JOB Hole Gelled Ahead to Log Cement One well SP PUTG, 128 PTOP, 122 BT DL, 370 Vac GG, JOB SUMMARY DESCRIPTION OF JOB EVENTS # 5 tablish circulation, Pump 10 bbl Pad, Pump 161 Dife Marker with mud Flush Mixand pump 60 s. Irad coment of 128 PDG. Tailcement Lao su at 14 pm 15 rubber plug to total 37. Mixing 40 lin lead, Flush pump Clear of coment. Pump 15 rubber plug to total depths of casing circulating 6BBL return Cement Pressure up to 860 ps, well hold good. Set float check with wire line. Aloe was pregelled, ran no gel ahead of job. PRESSURE SUMMARY PRESSURE SUMMARY TREATMENT RATE BREAKDOWN of CIRCULATING PRESSURE SUMMARY TREATMENT RATE BREAKDOWN of CIRCULATING PRESSURE SUMMARY TREATMENT RATE BREAKDOWN BPM INITIAL BPM				
DESCRIPTION OF JOB EVENTS \$\int \frac{1}{5} \text{Ab} \list \text{Circulation Pump 16bb} \ Pad, \ Pump 16b \ Pad, \ P	NSTRUCTIONS PRIOR TO JOB Hole Gelled Ahead To			ell
PRESSURE SUMMARY BREAKDOWN or CIRCULATING BREAKDOWN or CIRCULATING DSI ANNULUS MAXIMUM PSI MINIMUM PSI MINIMUM PSI MINIMUM PSI MINIMUM PSI MINIMUM PPM MINIMUM PPM MAXIMUM BPM MAXIMUM BPM MAXIMUM BPM MAXIMUM BPM MAXIMUM BPM AVERAGE BPM MINIMUM BPM AVERAGE BPM MINIMUM BPM AVERAGE BPM THEATMENT RATE BREAKDOWN BPM INITIAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM THEATMENT RATE BREAKDOWN BPM INITIAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM THEATMENT RATE BREAKDOWN BPM INITIAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM THEATMENT RATE	DESCRIPTION OF JOB EVENTS Establish Circula Dye Marker with mud Flush, Mixand 16054 at 14 8 1976 yield 1.37: Mixing 46 Pump 13 rubber plug to total depth of Pressure up to 806 PSt, well held Plug set at 1425: Cement Mix	pump 60s Irad Ils in lead. Flus casing Circular good. Set Fi sopo for stailsen	ing GBB	d, Pump 1615 138 PPG. Tailcement lear of coment. L return Cement. ck with wire line. 14, 14 # 10-Sea 1, 23
AUTHORIZATION TO PROCEED TITLE DATE	BREAKDOWN or CIRCULATING FINAL DISPLACEMENT ANNULUS MAXIMUM MINIMUM AVERAGE SIP MIN SIP MIN SIP DSI MIN SIP DSI DSI DSI DSI DSI DSI DSI	BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM		
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