

DAILY DRILLING REPORT

391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 4-10-62

COMPANY <i>NAPCO</i>			WELL NO. <i>#1</i>	LEASE <i>Walker</i>	RIG NO. <i>#4</i>			
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <i>Cowley</i>	STATE <i>Kansas</i>				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>				<i>DEAN CALVIN</i>	<i>DRLR</i>	<i>8</i>		
	FROM			<i>Glen Rollings</i>	<i>DKM</i>	<i>8</i>		
	M.			<i>John Cloyes</i>	<i>MM</i>	<i>8</i>		
	TO			<i>DAVID FROST</i>	<i>HLP</i>	<i>8</i>		
M.				<i>HLP</i>				
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:— *Set sills Help Rig up*

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>				<i>DON LORE</i>	<i>DRLR</i>	<i>8</i>		
	FROM			<i>DICK CARSON</i>	<i>DKM</i>	<i>8</i>		
	M.			<i>JIM GRUNDER</i>	<i>MM</i>	<i>8</i>		
	TO			<i>JACK LEWIS</i>	<i>HLP</i>	<i>8</i>		
M.				<i>HLP</i>				
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:— *Set in Rig up*

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	<i>112</i>	<i>126</i>	<i>Cement</i>	<i>Cliff moore</i>	<i>DRLR</i>	<i>8</i>		
	<i>126</i>	<i>165</i>	<i>Shale</i>	<i>Herb Correll</i>	<i>DKM</i>	<i>8</i>		
				<i>Harry Whitbeck</i>	<i>MM</i>	<i>8</i>		
				<i>W. W. Ransom</i>	<i>HLP</i>	<i>8</i>		
				<i>HLP</i>				
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <i>1</i>		HOURS RUN <i>1 1/2</i>				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:— *waited on mud pump Dulged Rat Hole in @ same @ 7:00 under surface @ 7:25 PM Waiting on mud*

APPROVED BY FIELD SUPERINTENDENT

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Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 4-11-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>Walker</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	165	172 $\frac{1}{2}$	Dry Drilled	DEAN CALVIN	DRLR	8		
				Glen Rollings	DKM	8		
				John Cloyes	MM	8		
				DAVID FROST	HLP	8		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-  
 mix mud + Hulls Dry Drilled 7 $\frac{1}{2}$  NO RETURN CEMENTED  
 15 Gel Lost Circ w/ 100 SKs and 4% CC  
 15 Hulls

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>				DON LORE	DRLR	8		
				DICK CARSON	DKM	8		
				JIM GRUNDER	MM	8		
				JACK LEWIS	HLP	8		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-  
 Drilled To 160 FT Lost Circ Run Squeeze 100 SKs cement @ 6% sand + 4% C.C. Plug @ 74 FT @ 200# @ 12:30 P.M. Put New water Pump outside Pump Engine Putting New clutch outside Driveworks Engine

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>				Chiff Moore	DRLR	8		
				Keith Correll	DKM	8		
				Harry Whitbeck	MM	8		
				W. W. Panyon	HLP	8		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-  
 W, D, C,

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DAILY DRILLING REPORT

391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 4-12-62

COMPANY <b>NAPCO</b>			WELL NO. <b>1</b>	LEASE <b>WALKER</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY.	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	172 $\frac{1}{2}$	215	shatol line	Don LORE	DRLR	16		
				Dick CARSON	DKM	16		
				Jim GRUNDER	MM	16		
				JACK LEWIS	HLP	16		
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.	SET NO.	CORE HEAD NO.						

REMARKS:— Drilled out cement slow Loosing little mud From surface Down Loosing Very FAST @ 208 Drilled To 215. Layed down DC's Plugged hole Skidded Rig 25 FT.

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>				Plug hole @ 10 sks wet Cement on Bottom	DRLR			
				BRIDGE @ 80 FT. WATER TO 30 FT. Plug 1/2 sk HULLS	DKM			
				8 sks Cement.	MM			
					HLP			
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.	SET NO.	CORE HEAD NO.						

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	0	30	Shale	Cliff Moore	DRLR	12		
				Herk Caspell	DKM	12		
				Harry Whitbeck	MM	12		
				<del>W. J. Brown</del>	HLP	12		
HRS. RUN	HRS. LOST	REASON		JACK MEYERS	HLP			
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.	SET NO.	CORE HEAD NO.						

REMARKS:— Helped skidd Rig. Rat hole in @ 7:30 P.M. Delg Surface @ 8:00 Trip For bit @ 165  
 11 hulls 6 clay files  
 13 Pangel 5 Dicks Seal  
 1 lime 2 nucaseal

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DAILY DRILLING REPORT

391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 4-13-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>Walker</b>	RIG NO. <b>1</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	165	225	Shale Line	Don Loke	DRLR	12		
				Dick Carson	DKM	12		
				Jim Grunden	MM	12		
				Jack Lewis	HLP	12		
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION	BITS RUN	HOURS RUN						
CONE NOS.	SET NO.	CORE HEAD NO.	COR NO. & DESCRIPTION					

REMARKS: Checked & Greased Rig. Finished Supt Acchok @ 1:20  
 Cir 15 mins Run 11 3/4" 8 7/8 cemented @ 150 sks / sk Halls  
 4% cc. Lost Cir. Cemented 5 Top @ 40 ft. 1" @ 50 sks Job

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	done @ 6:15	2	2 sks Halls	Jet Pits	DRLR			
					DKM			
		21.25	19.08	20.78	20.63	20.05		
		19.30	19.63	21.00	21.57	21.45		
HRS. RUN	HRS. LOST	REASON			HLP	21.75		
DEFLECTION	BITS RUN	HOURS RUN						
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	210	225	Cement (HARD)	Cliff Moore	DRLR	12		
				Steve Correll	DKM	12		
			Shale Line	Gary Whitbeck	MM	12		
					HLP			
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION	BITS RUN	HOURS RUN						
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

REMARKS:— W.O.C. 10 3/4 hrs. Nipple up  
 Drilling cement @ 10:15 PM O.B. @ Pit @ 10:30

APPROVED BY FIELD SUPERINTENDENT

DAILY DRILLING REPORT

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

ROSS-MARTIN CO. TULSA 1, OKLAHOMA

DATE 4-14-62

COMPANY NA PCO			WELL NO. #1	LEASE Walker	RIG NO. 4			
SECTION	TWP. OR BLOCK	RNG. OR SURVEY.	COUNTY Cowley	STATE Kansas				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	245	485	lime & shale	Don Lore	DRLR	12		
	FROM 11:30A.M.	485	790	Shale & lime	Deck Carson	DKM	12	
	TO 11:30A.M.			Jim Granden	MM	12		
				Jack Lewis	HLP	12		
HRS. RUN	HRS. LOST	REASON						
11	1	trip for Bit			HLP			
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		OSC - OSC	7 1/2 - 4 1/2					
CONE NOS.		SET NO.	CORE HEAD NO.					
RT'S		1-2						

REMARKS: Checked & Greased Rig trip for Bit @ 5:15 P.M. @ 6:51 A.M.

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2					DRLR			
	FROM				DKM			
	M.				MM			
	TO				HLP			
M.					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.					

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	790	860	Shale & lime	Cliff Moore	DRLR	12		
	FROM 11:30A.M.	860	970	Sandy shale	Herb Correll	DKM	12	
	TO 11:30A.M.	970	1400	Shale & lime (57HS)	Harry Whitbeck	MM	12	
					Deck Carson	HLP	12	
HRS. RUN	HRS. LOST	REASON						
11	1				HLP			
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
		OSC + OSC	10 1/2 + 5					
CONE NOS.		SET NO.	CORE HEAD NO.					
RT'S		2-3						

REMARKS:-- Rig trip for Bit @ 11:59 P.M. @ Bit @ 6:32 P.M.

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set pits @ 1010 - 1090

**DAILY DRILLING REPORT**

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391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

DATE 4-15-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>WALKER</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowhey</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	1400	1625	Lime & Shale stks	Don Lore	DRLR	12		
	FROM 11:30 P.M.	1625	1720	Shale & Lime	Dick CARSON	DKM	12	
	TO 11:30 A.M.	1720	1735	Lime	Jim Grunder	MM	12	
				Jack Lewis	HLP	12		
HRS. RUN	HRS. LOST	REASON			HLP			
10 1/2	1 1/2							
DEFLECTION		BITS RUN	HOURS RUN					
		OSC-OWV	11-4 1/2					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
RT's		3-4						

REMARKS: Checked & Greased Rig. Trip for bit @ 1600 O.B. @ bit #4 @ 6:32 P.M.  
Set pits @ 1730

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>					DRLR			
FROM					DKM			
M.					MM			
TO					HLP			
M.					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	1735	1955	Shale & lime stks	Clifford Mager	DRLR	12		
	FROM 11:30 A.M.	1955	2078	Shale	How Couch	DKM	12	
	TO 11:30 P.M.	2078	2083	lime	Sam Whitlock	MM	12	
				Jack Myers	HLP	12		
					HLP			
HRS. RUN	HRS. LOST	REASON						
10 1/4	1 3/4							
DEFLECTION		BITS RUN	HOURS RUN					
		OWV & OWV	10 1/4 & 4 1/2					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
				WT 9.4 Uis 35				

REMARKS: Big trip for Bit @ 1953 set pits O.B. @ 6:41 PM

Ar @ 2095 for 15 mins  
set pits @ 1953

APPROVED BY FIELD SUPERINTENDENT  
60 mgick 2 dick seal 6 lignite  
5 shells 3 caustic  
5 soda ash 3 soda ash  
C time 15 mins

DAILY DRILLING REPORT

ROSS-MARTIN CO. TULSA 1, OKLAHOMA

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DATE 4-16-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>Walker</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	2095	2259	Sand & Sandy shale	Don Lore	DRLR	12		
	2259	2330	Shale	Pick Carson	DKM	12		
	2330	2395	SAND	Jim Grander	MM	12		
				Jack Lewis	HLP	12		
HRS. RUN	10 1/2	HRS. LOST	1 1/2	REASON				
DEFLECTION		BITS RUN	OWV-OWV	HOURS RUN				
			8 3/4 - 6 3/4					
CONE NOS.	RT's	SET NO.	5-6	CORE HEAD NO.				
				CORE NO. & DESCRIPTION				
					Vis 35		WT 9.2	
							WT 9.9	

REMARKS:--  
 Checked & Greased Rig. Trip For bit @ 222600 @ bit #6 @ 4:40 AM.  
 Lignite 25# Soda Ash 50#  
 Skipped DP. 40 Long No Core. Crustic 25#

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2					DRLR			
					DKM			
					MM			
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.				
				CORE NO. & DESCRIPTION				

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	2395	2495	Sand & Shale	Chiffed Moore	DRLR	12		
	2495	2534	lime (K.C.)	John Cornell	DKM	12		
				Harry Whitbeck	MM	12		
				Jack Myers	HLP	12		
HRS. RUN	10	HRS. LOST	2	REASON				
DEFLECTION		BITS RUN	OWV & M4N	HOURS RUN				
CONE NOS.	RT	SET NO.	let 7	CORE HEAD NO.				
				CORE NO. & DESCRIPTION				
							9.9 WT	
							3.4 2 1/2 S	

REMARKS:--  
 Big trip for Bit @ 2508 tight hole for 6 stands  
 set judd O.B. @ 8:19 PM  
 APPROVED BY FIELD SUPERINTENDENT  
 35# caustic 50# Soda ash  
 20# lignite 4 shells 10 mud

3 1/4  
 2 3/4

DAILY DRILLING REPORT

391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

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DATE 4-17-62

COMPANY <b>NABC</b>		WELL NO. <b>1</b>	LEASE <b>Walker</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	2534	2648	lime (K.C)	Don Lore	DRLR	12		
				Dick CARSON	DKM	12		
				Jim Gruber	MM	12		
				Jack Lewis	HLP	12		
FROM 11:30P M.								
TO 11:30P M.								
HRS. RUN	HRS. LOST	REASON						
10 1/2	1 1/2							
DEFLECTION		BITS RUN	HOURS RUN					
		M4W-0WV	10 3/4 - 1 3/4					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
RT'S		7-8						

REMARKS: Checked Rig. Trip For bit @ 2620 OB @ bit #8 @ 9:37 AM  
50# Soda Ash, 25# Caustic, 25# Lignite

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>					DRLR			
					DKM			
					MM			
					HLP			
FROM M.								
TO M.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	2648	2745	lime (K.C)	Bill Moore	DRLR	12		
				Bob Cornell	DKM	12		
				Henry Rutbeck	MM	12		
				Jack Myers	HLP	12		
FROM M.								
TO M.								
HRS. RUN	HRS. LOST	REASON						
10	2							
DEFLECTION		BITS RUN	HOURS RUN					
		0WV+M4N	10 1/2 + 1 1/4					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				
		8 + 9		12 mud 2 shells 2 dch seal				

REMARKS: Rig set pits @ 2680 Trip for bit @ 2731 OB @ bit @ 12:10 PM

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391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

DATE 4-18-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>WALKER</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	2745	2808	Shale	Don Lore	DRLR	12		
	2808	2829	Line	Dick Carson	DKM	12		
	M. 2829	2849	Shale	Jim Granger	MM	12		
	M. 2849	2896	Lime + Shale	Jack Lewis	HLP	12		
HRS. RUN	HRS. LOST	REASON						
10	2							
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
	M4N-M4N		10 1/4 - 1					
CONE NOS.	SET NO.	CORE HEAD NO.						
21's	9-10							

REMARKS: Checked for and Rigs Down to be Repairing Fuel Line on Pumps.  
25# Caustic 50# Soda Ash  
25# Lignite

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>					DRLR			
					DKM			
	M.				MM			
					HLP			
	M.				HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.	SET NO.	CORE HEAD NO.						

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	2996	2925	lime	Cliff Moore	DRLR	12		
	2925	2993	Shale	Rich Cornell	DKM	12		
	M. 2993	3003	lime	Gary Whitbeck	MM	12		
	M. 3003	3030	sand	Jack Myers	HLP	12		
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN		HOURS RUN	CORE NO. & DESCRIPTION				
	M41		9	911540 WT 10.7				
CONE NOS.	SET NO.	CORE HEAD NO.						
	10							

REMARKS: Big jet pits @ 2920 @ 23 min @ 3000 cir for D.S.T. @ 3030 for the 25 min pickups tool tall open @ 11:25

APPROVED BY FIELD SUPERINTENDENT

3 3/4 hrs @ time 15 mud shells 3 deck seal 1 cedar fiber 50 soda ash 25 caustic 25 lignite

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DATE 4-19-62

COMPANY <i>NAPCO</i>		WELL NO. <i>1</i>	LEASE <i>Walker</i>	RIG NO. <i>4</i>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <i>Cowley</i>	STATE <i>KANSAS</i>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE				
						REG.	O.T.					
<b>1</b>	FROM <i>11:30A.</i>	TO <i>11:30A.M.</i>	<i>3030 3066 Shale.</i>	<i>Don Lore</i>	<i>DRLR</i>	<i>12</i>						
									<i>3066 3101 Lime (MISS)</i>	<i>Dick Carson</i>	<i>DKM</i>	<i>12</i>
										<i>Jim Brunder</i>	<i>MM</i>	<i>12</i>
										<i>Jack Lewis</i>	<i>HLP</i>	<i>12</i>
HRS. RUN	HRS. LOST	REASON										
<i>8 1/2</i>	<i>3 1/2</i>											
DEFLECTION	BITS RUN	HOURS RUN										
	<i>WT</i>	<i>8 1/2</i>										
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION									
<i>59729</i>	<i>11</i>		<i>25# Lignite 25# Caustic</i>									
			<i>10 Prengels 100# Soda Ash</i>									
			<i>4 Hulls 1 Cedar</i>									

REMARKS:—  
 Checked & Grouted by. Tested 11:30 to 1:00 Out of hole. Layed down test tool  
 @ 200 bit @ 2:56 P.M. Rec. 10' mud FSIP 40 FSIP 35 IFP 35  
 FFP 35 IFHysP1545 FHysP1525 DSA#1 2999-3030

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE			
						REG.	O.T.				
<b>2</b>	FROM	TO			<i>DRLR</i>						
									<i>M.</i>	<i>DKM</i>	
									<i>M.</i>	<i>MM</i>	
									<i>M.</i>	<i>HLP</i>	
HRS. RUN	HRS. LOST	REASON									
DEFLECTION	BITS RUN	HOURS RUN									
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION								

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE				
						REG.	O.T.					
<b>3</b>	FROM	TO	<i>3101 3151 lime (mud)</i>	<i>Cliff Moore</i>	<i>DRLR</i>	<i>12</i>						
									<i>M.</i>	<i>Dick Cornell</i>	<i>DKM</i>	<i>12</i>
									<i>M.</i>	<i>Ray Whitbeck</i>	<i>MM</i>	<i>12</i>
									<i>M.</i>	<i>Jack Myers</i>	<i>HLP</i>	<i>12</i>
HRS. RUN	HRS. LOST	REASON										
<i>2 3/4</i>	<i>2 1/4</i>											
DEFLECTION	BITS RUN	HOURS RUN										
	<i>WT &amp; YH</i>	<i>10 3/4 &amp; 7 1/2</i>										
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION									
<i>99729</i>	<i>11 &amp; 12</i>		<i>3 hulls 3 Dick seal</i>									
<i>123407</i>			<i>200# soda ash 25# caustic 40# lignite</i>									

REMARKS:—  
 V Rig trip for bit @ 3115' get pile @ 310' Bit  
 @ 3:15 P.M.

APPROVED BY FIELD SUPERINTENDENT  
*91544-39 WT 10.1-10+*

DAILY DRILLING REPORT

ROSS-MARTIN CO. TULSA, OKLAHOMA

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 4-20-62

COMPANY <b>NAP Co</b>		WELL NO. <b>1</b>	LEASE <b>WALKER</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	3151	3201	lime (mass)	Don Lore	DRLR	12		
FROM				Dick CARSON	DKM	12		
TO				Jim BRUNDER	MM	12		
				JACK LEWIS	HLP	12		
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION		BITS RUN <b>YH-W7</b>	HOURS RUN <b>14 1/4 - 2 3/4</b>	CORE NO. & DESCRIPTION <b>VIS 40 WT. 10</b>				
CONE NOS. <b>123409-27217</b>		SET NO. <b>12-13</b>	CORE HEAD NO.					

REMARKS:—  
 Checked Grease Rig. Trip For bit @ 3188 OR @ bit #13 @ 8:40 A.M.  
 3 Shells 100# Soda Ash 25# Liqrite  
 10 Prangel 25# Caustic

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>					DRLR			
FROM					DKM			
M.					MM			
TO					HLP			
M.					HLP			
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.					

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	3201	3267	lime (mass)	Cliff Moore	DRLR	12		
FROM				Don Correll	DKM	12		
M.				Harvey Hutbeck	MM	12		
TO				JACK INGERS	HLP	12		
M.					HLP			
HRS. RUN	HRS. LOST	REASON			HLP			
<b>10</b>	<b>2</b>							
DEFLECTION		BITS RUN <b>W7 YH</b>	HOURS RUN <b>12 1/4 1/2</b>	CORE NO. & DESCRIPTION <b>VIS 42 WT 10</b>				
CONE NOS. <b>N14720</b>		SET NO. <b>13</b>	CORE HEAD NO.	3 Shells 2 deep seal 1st seal 15 caustic 25 liqrite 100 soda ash				

REMARKS:—  
 Big jet pits @ 3255 TRIP for bit 3260 OR @ 11:02

APPROVED BY FIELD SUPERINTENDENT

DAILY DRILLING REPORT

391 ROSS-MARTIN CO. TULSA 1, OKLAHOMA

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE

4-21-62

COMPANY <b>NAPCO</b>		WELL NO. <b>1</b>	LEASE <b>Walker</b>	RIG NO. <b>4</b>
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY <b>Cowley</b>	STATE <b>KANSAS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	FROM 11:30 P.M. TO 11:30 A.M.	3267	3316	Line (Miss)	Don Lore	DRLR	12	
		3316	3392	Shale	Dick Carson	DKM	12	
					HARRY Whitbeck	MM	12	
					JACK Lewis	HLP	12	
HRS. RUN	HRS. LOST	REASON						
11 1/4	3/4							
DEFLECTION		BITS RUN		HOURS RUN				
		YH		11 3/4				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
N16720		14				VIS 40 WT. 9.9		

REMARKS:—  
Checked & Greased Rig. Losing Mud @ 3304 Down 37 mins  
Mixing Lost Circ Material & Mud. 10<sup>th</sup> Caustic 25<sup>th</sup> Lignite  
10 hulls 15 prongel 1 Dick's Seal 4 Cedar fiber 1 New AR Seal. 100<sup>th</sup> Soda Ash

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>	FROM M. TO M. 9:00	40 vis	10 <sup>th</sup> mud to 210		DRLR			
			Plug & 44 SK Hulls 15 SKs Cement.		DKM			
			Mud to 351 Plug & 44 SK Hulls 8 SKs		MM			
			Cement. 2 SKs in Rathole Job done @		HLP			
HRS. RUN	HRS. LOST	REASON						
		Howard Hess Plugged.			HLP			
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:—

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	FROM M. TO M.	3392	3393	Shale	Cliff Moore	DRLR	12	
		3393	3414	Line (ark)	Phil Cornell	DKM	12	
					Harry Whitbeck	MM	12	
					Jack Myers	HLP	12	
HRS. RUN	HRS. LOST	REASON						
					HLP			
DEFLECTION		BITS RUN		HOURS RUN				
		YH		13 3/4				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
N16720		14				VIS 46 WT 9.7		

REMARKS:—  
Log for log @ 3414 for the logging @ 3:30  
the day logging @ 4:15 - Waiting on orders to 5:30 In hole  
@ 6:30 Logged down DP Plugged hole Tearing down

APPROVED BY FIELD SUPERINTENDENT