



GLEN N. RUPE

OIL PRODUCER

222 Brown Building — Wichita, Kansas 67202 — AM 2-3748

KLEIN #1 - N/2 NE SE of Section 25-18S-12W, Barton County, Kansas

March 24, 1970 - Laughlin-Simmons ran elevation est. 1810' Derrick Floor
1808' Ground
1813' Kelly Bushing

with location at 110' East of C N/2 NE SE
of Sec. 25-18S-12W,

March 25, 1970 - American Drilling Corporation, Drilling Contractor and
Dick Foley, Geologist
Anhydrite 673' or +1140'

Set 227' of 8 5/8" cemented with 160 sacks cement,
plug was down at 3:30 a.m. March 24th.

March 26, 1970 - Drilling at 2210' at 7:00 a.m.

March 27, 1970 - Dick Foley called giving Topeka 2666' or -853'
Deer Creek Section
of Topeka 2715' or -902'

Well running 10' low to #1 Bailey, which is about the
highest Well in the Bailey Field.

March 30, 1970 - Took Drill Stem Test #1 3146' - 3183' (Opposite 90' ZONE
in Lansing

Gas to Surface in 15 minutes.

Recovered 1800' oil

Initial Flow Pressure 355#)
Final Flow Pressure 503#) 1st opening.

Initial Flow Pressure 565#)
Final Flow Pressure 690#) 2nd opening.

Initial Shut In Pressure 795#
Final Shut In Pressure 795#

Took Drill Stem Test #2 3228' - 3250' (Opposite 140' ZONE
Blow died.

Recovered 10' Oil Cut Mud.

Initial Flow Pressure 45#

Final Flow Pressure 45#

Initial Shut In Pressure 45#

Final Shut In Pressure 45#

Tool open 30 min.; shut in 30 min.; open 30; shut in
30.

Took Drill Stem Test #3 3250' to 3290' (Taking Test in
160' and 180' ZONE together). Had free oil and good oil.
Recovered 1425' Gas

125' Oil Gas Cut Mud

Initial Shut In Pressure 450# in 60 min.

Final Shut In Pressure 315# in 60 min.

No Flow Pressures

Temperature 121



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KLEIN #1 - N/2 NE SE of Section 25-18S-12W, Barton County, Kansas
Page 2

March 31, 1970 - Took Drill Stem Test #4 3357' - 3391'

Recovered 20' Mud

Initial Shut In Pressure 385# open 60 min.

Final Shut In Pressure 325# open 90 min.

No Flow Pressures shown

April 1, 1970 - Drilling at 3391 at 10:30 a.m.

April 2, 1970 - Took Drill Stem Test #5 3390' - 3400' in Arbuckle

Recovered 250' Gas

125' Clean Gassy Oil

63' Muddy Oil

125' Very Heavy Oil and Gas Cut Mud

NO WATER

Tool open 90 min. and shut in 60-60=90-60.

Initial Shut In Pressure 1020#

Initial Flow Pressure 24#

Final Flow Pressure 285#

Final Shut In Pressure 1000#

Good gravity oil (43 gravity). Temperature 117 degrees.

Total Depth 3400'

Getting ready to run Log.

FOX RIVER BOND

25% COTTON



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KLEIN #1 - 110' E of C N/2 NE SE of Sec. 25-18S-12W,
Barton County, Kansas

April 4, 1970 - Set 5½" Casing at 3397'

April 8, 1970 - Central Drilling Company's Drill In Unit
drilled Shoe out to 3401 making 1' of new Hole.
Acidized Arbuckle with 1250 gals. Acid.
Swabbed back load and swabbed at rate of 2 bbls.
oil an hour for 5 hours and no water.

Set Bridging Plug at 3280'.

Perforated from 3182' to 85' - 4 jets per foot.

Acidized with 250 gals. Mud Clean-up Acid and
1500 gals. Retarded Acid.
Swabbed back load and swabbed 15 bbls. oil and hour.
No Water.

April 11, 1970 Ran Tubing

April 13, 1970 Running Rods and setting Tank Battery today

Extension to the Bailey Pool--almost 1/4 mi. West
of Bailey Pool.

Electric Log Tops:

Anhydrite	675'	+1138'
Heebner	2978' 2778'	-1165' ^{ok}
Lansing	3104'	-1291'
Arbuckle	3386'	-1573'

*Called
Jat. Info
Independent
to have corrected
8/7/70
Foye*

*Ray Grobin found error
& advised me*

KLIEN #1 - N/2 NE SE of Section 25-18S-12W, Barton County, Kansas

Handwritten: Monday 3/24
Barton County
(493-8486)

Handwritten: #264-2361
Drlg. Contractor: American Drilling
DICK FOLEY, Geologist
Three "G" AM 5-8695

3/20 Ordered Elevation and will be run Wed. or Thursday of next week (3/25)
Insurance will be taken care of by American Drlg. as per GNR.
3/24 11:40 a.m. Well report came in:
Moved 2 loads Friday (March 20th)
+ Saturday (March 21st) Cat work - digging pits.
Moving in Saturday and Sunday
Set 227' of 8 5/8" cemented with 160 sax cement
Plug was down 3:30 a.m. this morning.
Started drilling under Surface at 10:30 a.m. today. *Handwritten:* 1813 KB
1:30 p.m. Laughlin-Simmons called--elevation is est. 1810 D.F.
and 1808 Ground.
(location is 110' E of C N/2 NE SE of 25-18S-12W,)
Handwritten: 666
110
550
3/25 9:00 a.m. - Pam called giving Anhydrite 673' (+1140)
7:00 a.m. drilling at 1590'
3/26 9:30 a.m. - Pam called saying drilling at 2210' at 7:00 a.m.
3/27 9:45 a.m. (GNR called from home) advising Dick Foley called
Topeka 2666' or -853'
Deer Creek Section of Topeka 2715' or -902'
Well is running 10' low to #1 Bailey which is about the highest
Well in the Field.
Handwritten: DST #1
3/30 DST #1 3146' - 3183' (opposite 90' ZONE) Gas to surface in 15 min.
recovered 1800' oil
Shut In Pressures 795# - 795#
Flow Pressures 355# - 503# 1st opening
565# - 690# 2nd opening
(open 90 min. - shut in 30-60-60?)
DST #2 3228' 3250' (opposite 140' ZONE) blow died. Recovered 10' Oil Cut
Mud. Shut In Pressures 45# - 45#
Flow Pressures 45# - 45#
Tool open 30-30-30-30
DST #3 3290' Taking Test in 160' and 180' ZONE together
had free oil and good odor
Ready to take TEST #4 now -- started out of the hole at 7:30 a.m.
Well running 3' low to Bailey #2 and #3.

3/30 5:15 p.m. by GNRupe

DST #3 from 3250' to 3290' - Shut in 30-60-120-60

Open 2½ Hrs. had fair to strong blow.

Recovered 1425' Gas

125' oil gas cut mud

60 min. Shut In Pressure 450# - 315#

No Flow Pressures

Temperature 121

DST #4 - 3357' - 3391' Recovered 20' Mud.

Initial Shut In Pressure 385# open 60 min.

Final Shut In Pressure 325# open 90 min.

No flow Pressures shown

4/1 9:15 a.m. G.N. Rupe advised coming out of hole with Test--weak blow for 120 m

2:45 p.m. - J. Gebert advised drlg at 3391' at 10:30 a.m. or -1578'

4/2 9:30 a.m. GNRupe called from home gave

DST #5 3390'-3400' Recovered 250' Gas

125' Clean Gassy Oil

63' Muddy Oil

125' Very Heavy Oil and Gas Cut Mud

NO WATER

Tool open 90 min. and shut in 60-60-90-60

Initial Shut In Pressure 1020#

Initial Flow Pressure 24#

Final Flow Pressure 285#

Final Shut In Pressure 1000#

good gravity oil (43-gravity)

Temp. 117 Degrees

TD 3400' -- getting ready to run Log

Central Drilling Company of Great Bend will be "drilling in" KLEIN #1

4/8 G. N. Rupe went out on Well as

4/9 G. N. Rupe out on Well - GNRupe called J. Gebert making 1 to 1½ bbls. oil
hr. in Arbuckle.

4/10 G. N. Rupe called 3:30 p.m. after pulling Swab 5 hrs--swabbed 1 3/4 bbls.
oil hr. In KC. -- will perforate 3180 to 83' and
set bridging plug at 3880' to 3883'--acidize.

3280

KLEIN #1 - N/2 NE SE of Sec. 25-18S-12W, Barton County, Kansas

Electric Log Tops

Anhydrite	675'	+1138'
Heebner	2978' 2778'	-1165'
Lansing	3104'	-1291'
Arbuckle	3386'	-1573'

Completion of KLEIN #1

Set 5 1/2" Casing at 3397'

Drilled Shoe out to 3401 (1' new hole).

Acidized the Arbuckle with 1250 gals. Acid. Swabbed back load and swabbed at rate of 2 bbls. oil an hour for 5 hours and no water.

Set Bridging Plug at 3280'.

Perforated from 3182' to 85' - 4 jets per foot.

Acidized with 250 gals. Mud Clean-up Acid, and 1500 gals. Retarded Acid. Swabbed back load and swabbed 15 bbls. oil an hour--no water.

Ran Tubing Saturday, April 11th.

Running Rods and Setting Tank Battery today, April 13th.

Extension to the Bailey Pool--almost 1/4 mi. West of Bailey Pool.

4:00 p.m. by GNRupe

4/21 Squeezed with 100 sacks Diesel Oil Cement -- coming out of hole with Tubing now -- will swab down and get a test tonight and tomorrow.

Called Dick Foley and asked him to look over the 70' Zone and check notes if any show oil.

*4/23 10:45 a.m. from GNRupe, Great Bend, Kansas

Perforated from 3152' to 56' in "D" LANSING ZONE

Set Retrievable Bridging Plug at 3170' by Great Bend Oil Tools

Swabbed hole down last night.

This morning no fluid in the hole.

Acidize with 500 gals. Mud Clean Up Acid--had to go to 2500# before broke.

Treated real well at 1000#; however Well did not go onto vacuum with treatment and still had 800# after acidizing.

Swabbing now and may go back in and re-acidize--In 2 or 3 hrs after

4/23

4/24 11:15 a.m. (GRupe called J.Gebert)

Treatment yesterday--wouldn't take a thing.

Perforated another Zone with gas and oil shows.

Perforated in 80' Zone (2" ^{3169" - 3171"}) and had gas to surface immediately
some Oil on the Tool. (Installed pressure gauge last night
and this morning had 200# and 1100' oil and no water.

1st hour swabbed 20 bbls. into Gunbarrel

continue swabbing (untreated in natural)

if decline will acidize.

Swabbed 10 bbls. oil /hr. natural.

4/27 10:45 a.m. (G.Rupe called in from Field)

Had 2000' oil and no water in Tubing over weekend, which indicated
had 800# pressure--the DST pressure was 800#.

Set Retrievable Bridging Plug at 3175'

Top of Packer @ 3165'.

Isolated 80' Zone.

Acidized with 1000 gals. 28% Retarded Acid--half way through
communicated up 80' to 70' Zone--pressured up on Casing side
and displaced all the acid. Pumped in at 1200#. On vacuum
in 20 min.

Dropped down and picked up Retrievable Bridging Plug and now
getting Thing out and will start swabbing the Casing.

Will call back later today.

4/28 Yesterday--pulled the Packer out of the hole and Retrievable Bridging Plug
started swabbing and at 6:00 p.m. swabbed 7 to 8 bbls. fluid
per hour with 25% water.

Overnight fill up was 1000' of oil in hole and no WATER.

Pulled swab and the last hour made 7 bbls. of oil per hour and no WATER.
Putting on Pump, running Rods and Tubing.

DATE **4-7-70**

COMPANY Glen Raper			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM	M.		F.H. Ramsey	DRLR	12		
				E. Jurgensen	DKM	12		
				K. Alexander	HLP	12		
				HLP				
HRS. RUN	HRS. LOST	REASON 1-Set 5 1/2" Swabbers						
DEFLECTION			BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION Mr travel time			
CONE NOS.			SET NO.	CORE HEAD NO.				

REMARKS:— **Moving in & Rigging up, Strung up tools w/ Swab! Swabbed hole dry - Strung up 5" bit - Strung in Sand line @ 3399.**

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

REMARKS:—

new rate

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

REMARKS:—

APPROVED BY FIELD SUPERINTENDENT			
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DATE **4-8-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5-
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton-	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Remney	DRLR	12		
				E. Jurgensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
	HRS. RUN	HRS. LOST	REASON					
	DEFLECTION	BITS RUN	HOURS RUN	no travel time				
	CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-
cleaning out to Bottom 3397'-3400'
Drilled 2' New hole 3400'-3403'
then Dumped 10 gals Mud Acid w/ bailer -

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM		Bailed hole dry & tested -		DRLR			
					DKM			
			13 gals oil per hr No water		HLP			
					HLP			
	HRS. RUN	HRS. LOST	REASON					
	DEFLECTION	BITS RUN	HOURS RUN					
	CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-
Dumped 100 gals Acid w/ 100 gals water -

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

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

DATE **4-9-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM	M.		F.H. Ramsey	DRLR	12		
				E. Jurgens	DKM	12		
				K. Alexander	HLP	12		
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION			BITS RUN	HOURS RUN	2 hr travel time			
CONE NOS.			SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION			

REMARKS:-- **Swabbed back head + Acid - Recovered 4 bbls oil + 4 bbls Acid + water - Acidizing w/ 250 gals Mud Acid. Swabbed back head water**

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

REMARKS:-- **40 gals 1st hr
 50 gals 2nd hr
 40 gals 3rd hr**

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

REMARKS:-- **Acidizing w/ 1000 gals Retarded Acid -**

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DATE **4-10-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1				E.H. Ramsey	DRLR	14		
				E. Jurgensen	DKM	14		
				K. Alexander	HLP	14		
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN		Shut down time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:- **Swabbed back Acid & head water - Testing w/ csg. Swap: 1st hr 70 gals oil - 2nd hr 70 gals oil - 3rd hr 70 gals oil - 4th hr 70 gals oil - 5th hr 60 gals oil - No water.**

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

REMARKS:- **Acidizing w/ 250 gals Mud Acid - Swabbed back Acid & head water -**

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

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

DATE **4-11-70**

COMPANY Glen Rupe		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1				F.H. Ramsey	DRLR	12		
	FROM			E. Ingersoll	DKM	12		
	M.			K. Alexander	HLP	12		
	TO				HLP			
M.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN		No travel time		
CONE NOS.		SET NO.		CORE NO. & DESCRIPTION				

REMARKS:-
 Checked Overnite fillup w/ csg Swab - 600' fillup - Swabbed hole down 50' water - testing w/ csg Swab - 1st hr 5 bbls oil w/ show of water -

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM	M.	2 nd hr 3 1/4 bbls oil w/ show of water 3 rd hr 2 1/2 bbls oil w/ show of water - Hci 1 1/2 gal w/ 150 gals Retarded Acid by Danell.		DRLR			
					DKM			
					HLP			
					HLP			
TO	M.							
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.	CORE NO. & DESCRIPTION			

REMARKS:-
 Swabbed back head water + Acid - Tested for 1 hr. 15 bbls oil w/ trace of water

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3	FROM	M.	TO	M.	DRLR			
			Getting Ready to Run the - Running the -		DKM			
					HLP			
HRS. RUN	HRS. LOST	REASON			HLP			
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:-
 laid down tools + strung up tbg blocks
 Getting Ready to Run tbg -
 Running tbg -

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4-11-70

Klein
Barton

Allen Page

Kennan

W. Ramsey
E. Thompson
K. Alexander

12
12
12

Interval time

Checked & verified filling up esp. Good. 1000.
Filling - Spashed 100 down 500 water - testing
up esp. Good. 1000. 1000. 1000. oil up 2000 of water.

1000 3000 oil up 2000 of water
1000 2000 oil up 2000 of water -
The 1000 up 2000 of water 1000 of water.

Spashed back 1000 water + Acid - Tested for
1000. 1000. oil up 2000 of water

1000 down 1000 + 2000 up 1000

Running 1000 to Run 1000

DATE **4-13-70**

COMPANY Glen Rupp		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Darton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM	M.		F.H. Ramsey	DRLR	12		
				E. Turgensen	DKM	12		
				K. Fleckenstein	HLP	12		
				HLP				
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN		in travel time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Running Tbg - Running Rods w/ pump -**

Tearing Down -

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM	M.	106 Jtz Tbg		DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **125' Rods w/ pump -**
1-10' pony Rod -
1-4' pony Rod

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

REMARKS:—

APPROVED BY FIELD SUPERINTENDENT

DATE **4-20-70**

COMPANY Glen Rye			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Romney	DRLR	12		
				E. Jurgensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN		2 hr travel time -		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-- **Moving in + Rigging up - pulled Rids + Tbg - Logging by Great Guns -**

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

REMARKS:--

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

REMARKS:--

APPROVED BY FIELD SUPERINTENDENT

2700
100
2800

DATE **4-21-70**

COMPANY Glen Rupe		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Ranney	DRLR	12		
				E. Jurgensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
			1-Set O.S.R.					
HRS. RUN	HRS. LOST	REASON 1-Set 5 1/2" Swab Cps -						
DEFLECTION			BITS RUN	HOURS RUN	2 hr transit time			
CONE NOS.			SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION			

REMARKS:-- **Running Hog up packer- Set packer @ 3153'**
Cementing by Sun up 125 sks. pulled 1 Hog up packer-
Strung up tools up Swab- Swabbing hole down

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM		down to 1200'		DRLR			
					DKM			
					HLP			
					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	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3	FROM				DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION			BITS RUN	HOURS RUN				
CONE NOS.			SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION			

REMARKS:--

APPROVED BY FIELD SUPERINTENDENT

270.00
10.00
257.50
213

DATE 4-22-70

COMPANY <i>Glen Rupe</i>	WELL NO. <i>1</i>	LEASE <i>Klein</i>	RIG NO. <i>5</i>
SECTION <i>Barton</i>	TWP. OR BLOCK	RNG. OR SURVEY	STATE <i>Kansas</i>

FOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
I DM M. M.				F. H. Ramsey	DRLR	16		
				E. Jurgensen	DKM	16		
				K. Alexander	HLP	16		
					HLP			
5. RUN	HRS. LOST	REASON						
LECTION		BITS RUN		HOURS RUN		No travel time -		
IE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

MARKS:-
*Finish Swabbing hole down. cleaned out cement
3180'-3185'. Swabbed hole to ~~3230~~ bottom. Tested
1-bbl Muddy water w/ show of oil per hr for 2 hrs.*

FOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS REG.	O.T.	RATE
2					<i>DRLR</i>			
					<i>DKM</i>			
					<i>HLP</i>			
					<i>HLP</i>			
RUN	HRS. LOST	REASON						
LECTION		BITS RUN	HOURS RUN					
NE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

MARKS:-
*Petrolating @ 3152-3154 by Great Guns -
Set Rat Bridge plug @ 3170'
Swabbed hole dry to 3120'*

FOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS REG.	O.T.	RATE
3					<i>DRLR</i>			
					<i>DKM</i>			
					<i>HLP</i>			
					<i>HLP</i>			
RUN	HRS. LOST	REASON						
LECTION		BITS RUN	HOURS RUN					
NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

MARKS:-

APPROVED BY FIELD SUPERINTENDENT

*360.00
10.00
370.00*

Clear Pipe

Boston
Kearney

4-22-70
7

K. Alexander
E. Thompson
F.H. Kennedy

Mr. Thompson

3180-3182, in upper hole to bottom of test
1-66 Mr. J. water system of oil pipe for this.
Finished snubbing hole down. Cleaned out cement
Pumped 2000 gal Diesel fuel by Acid Engineers
@ 2100# pressure

Snubbed hole 3125 to 3150.
Set Pot Bridge plug @ 3150.
Rotating @ 3125 - 3150 by direct drive.

DATE **4-23-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Ramsey	DRLR	14		
				E. Jorgensen	DKM	14		
				K. Alexander	HLP	14		
					HLP			
	M.							
	TO							
	M.							
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN		HOURS RUN	2 hr travel time -				
CONE NOS.	SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION				

REMARKS:- **Hole tested dry. Acidized w/ 50 gal. Mnd Acid. Swabbed back head water + Acid. Well Swabbed dry. Fished out Bridge plug @**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM		3170' - Swabbing + testing		DRLR			
			perf @ 3182-3185 + perf @		DKM			
			3152-3156		HLP			
			About 1/2 bbl		HLP			
	M.							
	TO							
	M.							
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN		HOURS RUN					
CONE NOS.	SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION				

REMARKS:- **Perforating by Great Guns @ 3180-3183 And 3171-3173 put on Master Gate + Shut in well.**

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

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

3150
100
32500

DATE **4-24-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	FROM	M.		F.H. Ramsey	DRLR	14		
				E. S. Sengstacke	DKM	14		
				K. Alexander	HLP	14		
				HLP				
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN		2 hr travel time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-
 200' pressure on well @ 7:00 P.M. Checked Fluid level w/ csg Swab. 1000-1100' fluid in well. Connected well to head line & Swabbed well

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE	
						REG.	O.T.		
2	FROM	M.		down into tank battery well	DRLR				
				Swabbed to bottom Recovered 35 bbls	DKM				
				Testing w/ csg Swab 1st hr. 2.64 bbls	HLP	40	20	water	
				2nd hr. 1.32 bbls	HLP	30	20	water	
HRS. RUN		HRS. LOST		REASON					
DEFLECTION		BITS RUN		HOURS RUN					
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:-
 Set Ret Bridge plug @ 3175'
 Acidized w/ 100 gals perf @ 3171'-3173'

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3	FROM	M.		Swabbed back head water & Acid	DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

315.00
 10.00
 5.00
 330.00

DATE **4-25-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Hein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM	M.		E.H. Ranney	DRLR	12		
				K. Alexander	DKM	12		
				E. Jurgensley	HLP	12		
					HLP			
			2. Set @ S.R.					
HRS. RUN	HRS. LOST	REASON						
DEFLECTION			BITS RUN	HOURS RUN		Withdraw Time		
CONE NOS.			SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:--
Swabbing well down + testing w/ csg Swab.
2661 per hr 25-30 water. Running 46g w/ packer.

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM	M.		Strung up 2" 46g Swab - Getting	DRLR			
				Ready to Swab	DKM			
				Swabbed hole dry	HLP			
					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	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3	FROM	M.			DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION			BITS RUN	HOURS RUN				
CONE NOS.			SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:--

APPROVED BY FIELD SUPERINTENDENT

270.00
10.00
5.66
285.66

DATE **4-27-70**

COMPANY Glen Rupe		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1				F. J. Ramsey	DRLR	12		
				E. J. Jorgensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
1-Set O.S.R.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN		Net travel time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Swabbed hole dry - 2000' Oil in well - Acidizing w/ 1000 gals 28% pulled the w/packer & Bridge plug - Strung up csg Swab & Swabbed well down.**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2					DRLR			
					DKM			
				1st hr 8⁵⁰ bbls 25% water				
				2nd hr 8²⁵ bbls 40% water				
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.	
3					DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:—

APPROVED BY FIELD SUPERINTENDENT

270.00
10.00
280
282.83

DATE **4-28-70**

COMPANY Glen Rupe		WELL NO. 1	LEASE Klein	RIG NO. 1
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Ramsey	DRLR	12		
		M.		E. Juergensen	DKM	12		
		TO		K. Alexander	HLP	12		
		M.			HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN		HOURS RUN	shrt travel time			
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-
About 200# press. on csg - snubbing will down.
About 900-1000 Overnite fillup - laid down tools &
Getting Ready to Run Tbg

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2			Ran Tbg & Rods w/pump. connecting up well - well pumped up		DRLR			
	FROM				DKM			
	M.				HLP			
	TO				HLP			
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	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3	FROM M. TO M.				DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.	CORE NO. & DESCRIPTION			

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

270.00
1000
270.00

DATE **4-29-70**

COMPANY Glen Rupe			WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1				F.H. Ramsey	DRLR	8		
				K. Alexander	DKM	8		
				E. Jorgensen	HLP	8		
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Tearing Down & Moving Out—**

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

REMARKS:—

APPROVED BY FIELD SUPERINTENDENT

80.00

DATE **6-2-70**

COMPANY Glen Roper		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1				F.H. Ramsey	DRLR	8		
				E. J. Jorgensen	DKM	8		
				K. Alexander	HLP	8		
					HLP			
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN		HOURS RUN		2 hr travel time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:— **Moving In & Rigging up -**
Getting Ready to pull R & Ls & Tbg -

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

REMARKS:—

APPROVED BY FIELD SUPERINTENDENT

DATE **6-3-70**

COMPANY Glen Roper		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barber	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1				E.H. Ramsey	DRLR	12		
				E. J. Jurgensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN		2h-travel time		
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		

REMARKS:-

**Pulled Rods w/ pump - Pulling tag -
 Strung up Dr. tools & bailer -**

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

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

DATE **6-4-70**

COMPANY Glen Rupp			WELL NO. 1	LEASE Klein	RIG NO. 5-
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1				E.H. Ramsey	DRLR	12		
				E. Juergensen	DKM	12		
				K. Alexander	HLP	12		
					HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN		HOURS RUN		2 hr travel time -		
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:-

**Drove Bridge plug to bottom
cleaned out w/ bailer - laid down drg tools
+ bailer - strung up the blocks - Ran the**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2			Rods - Connected up well to		DRLR			
			Pumping Unit -		DKM			
					HLP			
					HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:-

**Ran 108 ITS the w/ perforated Anchor + S.N.
1-6' 1-8' 1-2' Subs -**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3			Ran 134-3/4" Rods - w/ pump +		DRLR			
			2' pony Rod -		DKM			
					HLP			
					HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:-

APPROVED BY FIELD SUPERINTENDENT

DATE **6-5-70**

COMPANY Glen Rupe		WELL NO. 1	LEASE Klein	RIG NO. 5
SECTION	TWP. OR BLOCK	RNG. OR SURVEY	COUNTY Barton	STATE Kansas

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	FROM			F.H. Remy	DRLR	8		
	M.			E. Jurgensen	DKM	8		
	TO			K. Alexander	HLP	8		
	M.				HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.	CORE HEAD NO.		CORE NO. & DESCRIPTION			

REMARKS:--

Tearing Down + Moving Out

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	FROM				DRLR			
	M.				DKM			
	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.	
3	FROM				DRLR			
	M.				DKM			
	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:--

APPROVED BY FIELD SUPERINTENDENT