

DAILY DRILLING REPORT

43
 CONTRACTOR: Kan Drill Co. Inc.
 COMPANY: Rupe Oil Co.
 LEASE: EHR Farms
 DATE: Wed-6-9-82
 WELL NO. #1
 RIG NO. #1
 DISTRICT: [blank]
 COUNTY: Trego
 STATE: Kansas
 D. P. STRING NO.: [blank]
 SIZE: [blank]

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM Leonard Schroeder	9
						EM JACK Doss	9
						H Elms Gonsaker Jr.	9
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF							

265 miles → DRLR Ed Crist 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
WAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: Dig cellar & Ditches Put in pit liner

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM Douglas Kreuzer	10
						H Joe Braun	10
						H Heshie Dressing	10
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF							

100 miles → DRLR Francis A. Kreuzer 10

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
WAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: move from EHR Farms. TO. Rig up tools.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	265	Sand & Shale	100	ALL	800	DM Mark Slous	9
						EM Kenneth Mowry	9
						H Tim Crawford	9
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	265 FT	25 gal 5 shells 3 Lime					
DEG. OFF							

265 miles → DRLR Keith Crawford 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	2	SIZE D. P.	
SIZE	12 3/4	VISC.		Jet con.	4	SIZE COLL.	
WAKE	H	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	RR	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP	1/4	COLLARS	FT.
HOURS RUN	265	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: Rat hole 5:00 spud 5:30 9:45 Jet cellar 4 conn 10:00 Cir Trip out to run surface pipe 11:15 - S.H.S 11:00 - Trip out

Thurs.

DAILY DRILLING REPORT
43

CONTRACTOR KANDRILCO LTD.	WICHITA GREAT BEND	DATE 6-10-82
COMPANY Rupac Oil	LEASE GARRETT	WELL NO. 2
DISTRICT	COUNTY TAYLOR	RIG NO. 1
	STATE KAN	D. P. STRING NO.
		SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM Leonard Schroeder	8
265						EM JACK DOSS	8
						H ELIAS GONSALEZ JR.	8
SLOPE TEST		ACCIDENT: - ED WAKIE @ 6:00				H	
@	FT.						
DEG. OFF		Fuel 2 7/8"	37 miles			DLR Ed Crist	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	#2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	STC. DT-5	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	Retip	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	265	PH.		TRIP		COLLARS	FT.
CURS RUN	0	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:50 - LAW 6 FT. 1500' = 252.77' set @ 255'
 12:00 - CEMENTING w 175 sks common 2% gel 3% cc Plug
 7:00 - W.O.C. Down 12:00 P.M. cement did etc.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
265	1145		100	25000	900	DM Douglas Krewtzer	8
						EM Joe Braun	8
						H Leslie Dreiling	8
SLOPE TEST		ACCIDENT: -				H	
@	1145 FT.						
DEG. OFF						DLR Francis A. Krewtzer	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	#2	WEIGHT		DRILLING	5	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING	1 3/4	SIZE COLL.	
MAKE	STC. DT-J	WTR. LOSS-C.C.		OTHER	SAVES SHOT 1/4	JTS. D. P.	FT.
SERIAL NO.	Retip	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	265	PH.		TRIP	BIT 1/2	COLLARS	FT.
CURS RUN	5	MTL. ADDED (REMARKS)			W.O.C. 1	TOTAL	FT.

REMARKS: 8:00 - W.O.C. 3:00 - BIT Trip @ 1145
 2:15 - DR/9 = 1/4 Jet + 2 - Conn.
 2:30 - Shore SHOT

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
145	1946	Sand & Shale	100	30000	800	DM Mark Slows	9
1946	1960	ANHY				EM Kenneth Mowry	9
						H Tim Crawford	8
SLOPE TEST		ACCIDENT: -				H	
@	FT.						
DEG. OFF						DLR Keith Crawford	9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	3	WEIGHT	F W	DRILLING	5	SIZE D. P.	
SIZE	7 7/8	VISC.	r a	CORING	1 3/4	SIZE COLL.	
MAKE	Smith DTJ	WTR. LOSS-C.C.	e t	OTHER		JTS. D. P.	FT.
SERIAL NO.	Retip	FILTER CAKE	s e	REPAIRS		KELLY DOWN	FT.
DEPTH IN	1175	PH.	h r	TRIP	1 1/4	COLLARS	FT.
CURS RUN	5	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: Trip bit #2 4:15
 Drill 11:00 1/4 Jet

APPROVED *[Signature]*



COMPANY **Rupe Oil Co.** LEASE **GARRETT** WELL NO. **#2** RIG NO. **#1**
 DISTRICT COUNTY **Trego** STATE **KANS.** D. P. STRING NO. SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1960	1981	Shale	90	25,000	900	DM Leonard Schroeder	9
1981	1995	SHALE				EM JACK DOSS	9
						H ELIAS GONSALES JR.	9
SLOPE TEST		ACCIDENT:-- (GIVE NAME)	Strap .87' long				
@ FT.							
DEG. OFF		Fuel 1' 8"	256 miles		DR. Ed Crist		8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	#3	WEIGHT	F W	DRILLING	2	SIZE D. P.	
SIZE	7 7/8	VISC.	R A	CORING/Rig	1/4	SIZE COLL.	
MAKE	Smith OCT. 5	WTR. LOSS-C.C.	E T	OTHER		JTS. D. P.	FT.
SERIAL NO.	Retip	FILTER CAKE	S E	REPAIRS		KELLY DOWN	FT.
DEPTH IN	1145	PH.	H R	TRIP	1 1/2	COLLARS	FT.
CURS RUN	7	MTL. ADDED (REMARKS)			4 1/4	TOTAL	FT.

MARKS: 11:00-12:15 Dig 12:30 v Rig 1:15 Dig 1:30 S.H.S.
 2:45 Bit trip @ 1995 2:00 Wait on tools.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1995						DM Douglas Kretzer	8
						EM Joe Braun	8
						H Leslie Dreiling	8
SLOPE TEST		ACCIDENT:-- (GIVE NAME)					
@ FT.							
DEG. OFF			100 miles		DR. Francis A. Kretzer		8

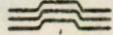
BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
N NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP	8 8	COLLARS	FT.
CURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

MARKS: 1:30 TRIP W/ NEXT REC - 14 BALL BEARINGS & 16 KOLLER BEARING
 3:00 Trip with 8" Tub K Basket & Finger Basket

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
995	2045	Lime & Shale	60	10000 15000	1000	DM Mark Slous	9
						EM Kenneth Maxey	9
						H Tim Crawford	9
SLOPE TEST		ACCIDENT:-- (GIVE NAME)	legal chain oil in DW				
@ FT.							
DEG. OFF			250		DR. Keith Crawford		8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	3	WEIGHT		DRILLING	2 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING	Jet 1/4	SIZE COLL.	
MAKE	Smith F2	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	RR	FILTER CAKE		REPAIRS	1/4	KELLY DOWN	FT.
DEPTH IN	1995	PH.		TRIP	Tool 5 1/4	COLLARS	FT.
CURS RUN	2 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

MARKS: go in hole with Drill 2' w/ Finger Basket & Trip REC - 4 Ball BEAR 1 - CONE
 & 2 KOLLER BEAR (2" RED SHALE CORE) 9:15
 go back in hole 8:15 Drill 11:00 1/4 Jet 1/4 clean P screen



DAILY DRILLING REPORT

43

CONTRACTOR **KANDRILCO LTD.** WICHITA **GREAT BEND** DATE **Sat, June 12, 1982**

COMPANY **Rupe Oil Co.** LEASE **Garrett** WELL NO. **#2** RIG NO. **#1**
 DISTRICT COUNTY **Trego** STATE **KANS.** D. P. STRING NO. SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2045	2241	shales		15,000 19,000	1000	Leonard Schroeder	9
						JACK DOSS	9
		LEAVE JUNK BIT OFF.				ELIAS GONZALEZ JR.	9

SLOPE TEST @ 2241 FT. ACCIDENT: - (GIVE NAME) **ED pull THIS BIT @ 4:00 & pull down**
 1° DEG. OFF **S-86 WAKE ME WHEN YOU DRLR 200 miles → Ed Crist** 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	#3	WEIGHT	F W	DRILLING	4 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.	R F	SCORING CONN	1/8	SIZE COLL.	
MAKE	Smith F-2	WTR. LOSS-C.C.	E T	OTHER	5	JTS. D. P.	FT.
SERIAL NO.	RR 148213	FILTER CAKE	S E	REPAIRS		KELLY DOWN	FT.
DEPTH IN	1995	PH.	H R	TRIP	2 3/4	COLLARS	FT.
HOURS RUN	6 1/2	MTL. ADDED (REMARKS)		VRig	1/4	TOTAL	FT.

REMARKS: 11:00-11:15 VRig 4:00 DLg w/ 1/4 Jet #1 @ 2115 + 1/4 CONN
 4:15 SHS. 7:00 Bit trip @ 2241

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2241	2451	SHALE	75	35,000	900	Douglas Kreutzer	8
						Joe Braun	8
						Leslie Drilling	8

SLOPE TEST @ FT. ACCIDENT: - (GIVE NAME) **Francis A. Kreutzer** 8
 DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
N NO.	5	WEIGHT	N	DRILLING	6	SIZE D. P.	
SIZE	7 7/8	VISC.	N	SCORING CONN	1/4	SIZE COLL.	
MAKE	Smith F-2	WTR. LOSS-C.C.	T	OTHER	VRig	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE	ve	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	BIT 1/2	COLLARS	FT.
HOURS RUN	6	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:30 - BIT TRIP
 7:45 - VRig
 3:00 - DLg @ 3/4 CONN VRig 1/2

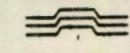
FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2451	2680	Lime & Shale	65	35000	1000	Kenneth Mowry	9
						Tim Crawford	8
						Mark Slows	9

SLOPE TEST @ FT. ACCIDENT: - (GIVE NAME) **Keith Crawford** 9
 DEG. OFF **230 miles**

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	4	WEIGHT	F W	DRILLING	7 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.	R g	SCORING CONN	3/2	SIZE COLL.	
MAKE	Acc. S-86	WTR. LOSS-C.C.	e. t	OTHER		JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE	s e	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.	h r	TRIP	Rig 1/4	COLLARS	FT.
HOURS RUN	13 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:15 Rig ✓ Drill 1/4 Jet 1/4 conn

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DAILY DRILLING REPORT
43

CONTRACTOR KANDRILCO LTD.	WICHITA GREAT BEND	DATE Sun. June 13, 1982
COMPANY Rux Oil Co.	LEASE GARRETT	WELL NO. #2
DISTRICT	COUNTY Trego	RIG NO. #1
STATE KANS.	D. P. STRING NO.	SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2680	2920	shale	65	30,000 35,000	1000	Leonard Schroeder	9
						JACK Doss	9
						Elias Gonzalez Jr.	9
SLOPE TEST		ACCIDENT:- (GIVE NAME) 1 gal. D.W. motor					
@	FT.	5 gal. chain oil 1 gal. m.p.					
DEG. OFF		Fuel 4'7"		246 miles		Ed Crist	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	#4	WEIGHT	N W	DRILLING	7	SIZE D. P.	
SIZE	7 7/8	VISC.	A A	DRILLING CONN	3/4	SIZE COLL.	
GAKE	Sec 5-86F	WTR. LOSS-C.C.	T T	OTHER		JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE	I E	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.	F K	TRIP		COLLARS	FT.
HOURS RUN	20 1/4	MTL. ADDED (REMARKS)		✓ Rig	1/4	TOTAL	FT.

REMARKS: 11:15 Dlg. 11:30 ✓ Rig + Jet #2 @ 2706 7:00 Dlg w/ 1/2 conn 1/4 Jet #1 @ 2893

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2920	3095	shale	65	30000	1000	Douglas Kreutler	8
						100 miles Joe Dravn.	8
		Mud-Davis #1-23				Leslie Dreiling	8
SLOPE TEST		ACCIDENT:- (GIVE NAME) Hulls-3					
@	FT.						
DEG. OFF				DRLR Francis A. Kreutzer.		8.	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	#5	WEIGHT	N	DRILLING	6	SIZE D. P.	
SIZE	7 7/8	VISC.	a	DRILLING CONN	3/4	SIZE COLL.	
GAKE	Sec 5-86	WTR. LOSS-C.C.	T	OTHER	✓ RIG	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE	I	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.	U	TRIP	1	COLLARS	FT.
HOURS RUN	26 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:15 - ✓ Rig Washed DWKs - Tang - Derrick Legs
1:45 - Drilling 1/2 - conn & 1/4 - ✓ T. Straightened out Tool House
3:45 - SHORT TRIP Tight Hole @ 3094. - 3:00 - Drilling

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3095	3300	Lime & shale	65	32000	1000	Daniel Cochran	9
						Tim Crawford	9
						Mark Slaws	9
SLOPE TEST		ACCIDENT:- (GIVE NAME) 5 chains of 100 MP					
@	FT.	2 pres. 6 Hulls 30 salt gel					
DEG. OFF		40 starch 4 pres. gel		2.30 miles		Keith Crawford	9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	#5	WEIGHT	F W	DRILLING	7 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.	r a	DRILLING CONN	1/2	SIZE COLL.	
GAKE	Sec 5-86	WTR. LOSS-C.C.	e t	OTHER		JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE	s e	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.	h r	TRIP		COLLARS	FT.
HOURS RUN	33 1/2	MTL. ADDED (REMARKS)		Rig	1/4	TOTAL	FT.

REMARKS: 3:15 Drill 3:30 Rig ✓ 11:00 Drill 1/4 Jet 1/4 conn



COMPANY *Rude Oil Co.* LEASE *GARRETT* WELL NO. *#2* RIG NO. *#1*
 DISTRICT COUNTY *Trego* STATE *KANS.* D. P. STRING NO. SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
3300	3450	shale & lime	65	30,000 35,000	1100	DM	Leonard Schroeder	9
						EM	JACK Doss	9
						H	ELIAS GONSALEZ Tr.	9
SLOPE TEST		ACCIDENT:— (GIVE NAME)		<i>10 gal chain oil 1 gal. MP</i>		H		
@	FT.	<i>new fuel filter premix motor</i>						
DEG. OFF		<i>Fuel 3'9"</i>		<i>246 miles</i>		DRLR	<i>Ed Crist</i>	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	<i>#5</i>	WEIGHT		DRILLING	<i>6 3/4</i>	SIZE D. P.	
SIZE	<i>7 7/8</i>	VISC.		6 3/4 Conn	<i>3/4</i>	SIZE COLL.	
MAKE	<i>See 5-86F</i>	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	<i>142213</i>	FILTER CAKE		REPAIRS	<i>1/4</i>	KELLY DOWN	FT.
DEPTH IN	<i>2241</i>	PH.		TRIP		COLLARS	FT.
CURS RUN	<i>40 1/4</i>	MTL. ADDED (REMARKS)		<i>V Rig</i>	<i>1/4</i>	TOTAL	FT.

REMARKS: *11:45 Dlg 12:00 V Rig ~~#2~~ 1:00 Dlg 1:15 Clean Pump Screen. 7:00 Dlg w/ 1/2 conn 1/4 jet #2 @ 3357*

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
3450	3625		65	30,000 35,000	1000	DM	<i>100 miles</i> Douglas Krentler	8
						EM	Joe Braun	8
		<i>Mud-Salt Mud - 20 25</i>				H	Leslie Drilling	8
SLOPE TEST		ACCIDENT:— (GIVE NAME)		<i>Starch - 5</i>		H		
@	FT.	<i>Davis Mt - 808</i>						
DEG. OFF		<i>Hull - 2</i>		<i>230 miles</i>		DRLR	<i>Francis A. Krentler</i>	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	<i>#5</i>	WEIGHT		DRILLING	<i>7</i>	SIZE D. P.	
SIZE	<i>7 7/8</i>	VISC.		6 3/4 Conn	<i>3/4</i>	SIZE COLL.	
MAKE	<i>See 5-86-F</i>	WTR. LOSS-C.C.		OTHER	<i>Rig</i>	JTS. D. P.	FT.
SERIAL NO.	<i>142213</i>	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	<i>2241</i>	PH.		TRIP		COLLARS	FT.
CURS RUN	<i>47 1/4</i>	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: *7:15 - V Rig 3:00 - Drill w/ 1/2 - conn & 1/4 - jet.*

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
3625	3725	Lime & shale	65	34000	1050	DM	Daniel Cochrane	9
						EM	Mark Sloas	9
						H	Tim Crawford	8
SLOPE TEST		ACCIDENT:— (GIVE NAME)		<i>22 salt gel 6 starch</i>		H		
@	FT.	<i>Explosive prem gel</i>						
DEG. OFF		<i>1 gal MP</i>		<i>230 miles</i>		DRLR	<i>Keith Crawford</i>	9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
BIT NO.	<i>5</i>	WEIGHT	<i>9.4</i>	DRILLING	<i>6 1/2</i>	SIZE D. P.	
SIZE	<i>7 7/8</i>	VISC.	<i>34</i>	Conn	<i>1/2</i>	SIZE COLL.	
MAKE	<i>See 5-86</i>	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	<i>142213</i>	FILTER CAKE		REPAIRS	<i>1/4</i>	KELLY DOWN	FT.
DEPTH IN	<i>2241</i>	PH.		TRIP		COLLARS	FT.
CURS RUN	<i>53 1/4</i>	MTL. ADDED (REMARKS)		<i>Rig</i>	<i>1/4</i>	TOTAL	FT.

REMARKS: *3:15 Drill 3:30 Rig 4:30 Drill CF 5:10:30 short Trip 11:00 Pump mud 1/4*

CONTRACTOR **KANDRILCO LTD. WICHITA** DATE **Tue. 6-15-82**
 GREAT BEND
 COMPANY **Rupe Oil Co.** LEASE **Garrett** WELL NO. **2** RIG NO. **1**
 DISTRICT COUNTY **Trego** STATE **Kansas** D. P. STRING NO. SIZE **4 1/2" hole**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3725						DM Leonard Schroeder	9
						EM JACK Doss	9
						H Elias Gonzalez Jr.	9
SLOPE TEST		ACCIDENT: - (GIVE NAME)	1 gal D.W. 10 gal. CHAIN oil				
@	FT.		Pipe strap 1.13' short				
DEG. OFF		Fuel 5'4"	246 miles		DRLR Ed Crist		8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	# 5	WEIGHT		DRILLING	3/4	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING	1 1/2	SIZE COLL.	
AKE	Sec. 5-86F	WTR. LOSS-C.C.		OTHER	TC	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS	3/4	KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	3 1/2	COLLARS	FT.
HOURS RUN	53 1/4	MTL. ADDED (REMARKS)		Short trip	1/2	TOTAL	FT.

REMARKS: 11:30 10 stand short trip 12:30 CTCH 2:30 Come-out
 for DST #1 4:00 wait on Tester 6:15 make up tool & go to 1st 21/2
 3680-3725) 6:15-7:00 Testings CHANGE PACKING IN SWIVEL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
725						DM Douglas Krevtzer	8
						EM Joe Braun	8
						H Leslie Dreiling	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF		(8 Co. Time)	100 miles		DRLR Francis A. Krevtzer		8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
N. NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
AKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS	#1 8	KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)	Hydro-1880			TOTAL	FT.

REMARKS: 3:00-D.S.T #1 @ (3680-3725) - IF-20-399/IST-1306/FF-419-676/FST-1306.
 Rec-1364-TOTL-372-400m-434-400w.
 30-60-30-90 558-41W.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
725						DM Daniel Cochran	8
						EM Mark Slows	9
						H Tim Crawford	9
SLOPE TEST		ACCIDENT: - (GIVE NAME)	32 salt gel & starch				
@	FT.		4 prem gel 4 Halls				
DEG. OFF		1/4 Co Time	230 miles		DRLR Keith Crawford		9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	5	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING	1/2	SIZE COLL.	
AKE	Sec. 5-186	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS	2 3/4	KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	1/2	COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)		WOC	4 1/4	TOTAL	FT.

REMARKS: 3:30 Trip with bit 4:00 break cir. pump water off pits
 work on swivel 6:45 wait on swivel 11:00



DAILY DRILLING REPORT

43

CONTRACTOR KANDRILCO LTD.	WICHITA GREAT BEND	DATE Wed. 6/16/92
COMPANY Ryce Oil Co.	LEASE GARRETT	WELL NO. #2
DISTRICT	COUNTY Trego	STATE KANS.
		RIG NO. #1
		D. P. STRING NO.
		SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3725	3770	Lime & Shale	65	32,000	1000	DM Leonard Schroeder	9
						EM JACK Doss	9
						H Elias Gonzalez Jr.	9

SLOPE TEST @ FT. DEG. OFF Fuel 4' 11" 246 miles Ed Crist 8

ACCIDENT: - (GIVE NAME) 1 gal. MP. 5 gal. 90# swiva/

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	#5	WEIGHT	9.4 9.6	DRILLING	3 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.	40 44	CORING	1/4	SIZE COLL.	
MAKE	Sec. S-86F	WTR. LOSS-C.C.		OTHER CTCH	1 1/2	JTS. D. P.	FT.
SERIAL NO.	142241	FILTER CAKE		REPAIRS	2 1/2	KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP		COLLARS	FT.
CURS RUN	57	MTL. ADDED (REMARKS)		W.O.S.	1/4	TOTAL	FT.

REMARKS: 11:15 wait on swiva/ 1:00 change out swiva/ 1:30 to bottom
 2:45 15' 3:00 CTCH 7:00 Dig w/ 1/4 conn. mud mixed 8 salt mud
 3 starch 1 prem. gel

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3770	3790		65	35,000	1000	DM Douglas Kretzer	8
						H Joe Braun	8
						H Leslie Dreiling	8

SLOPE TEST @ FT. DEG. OFF mud mixed Davis Gel: 5 starch: 6 Salt mud: 10 Francis A. Kretzer 8

ACCIDENT: - (GIVE NAME)

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
N NO.	#5	WEIGHT		DRILLING	5 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING	1/4	SIZE COLL.	
MAKE	Sec. S-86-F	WTR. LOSS-C.C.		OTHER Rig	1/4	JTS. D. P.	FT.
SERIAL NO.	142241	FILTER CAKE		REPAIRS	1/4	KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP		COLLARS	FT.
CURS RUN	62 1/4	MTL. ADDED (REMARKS)		C.F.S.	2	TOTAL	FT.

REMARKS: 8:45 Drilg. 11:15 - C.F.S. (3810) 3:00 - Drilg
 9:00 - V Rig 1:15 - Drilg & 4 Conn. w/ 4 clean screen
 10:15 - Drilg 2:15 - C.F.S. (3830)

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
830		Lime & Shale	65	33,000	1000	DM Daniel Cochran	9
						EM Mark Slows	9
						H Tim Crawford	9

SLOPE TEST @ FT. DEG. OFF 230 miles Keith Crawford 8

ACCIDENT: - (GIVE NAME) 1 gal. MP

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	5	WEIGHT		DRILLING	2 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Sec. S-86	WTR. LOSS-C.C.		OTHER Air	2	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	3	COLLARS	FT.
CURS RUN	64 1/4	MTL. ADDED (REMARKS)		Rig	1/4	TOTAL	FT.

REMARKS: 4:15 Drill 4:30 Rig ✓ C.F.S. 3860' 6:30 short trip 7:30
 C.C.H. 7:45 Drop & sure shot 11:00 Trip out for DST #2 & make
 up tool go in hole

CONTRACTOR: **KANDRILCO LTD.** WICHITA GREAT BEND
 DATE: **Thur 6-17-82**
 COMPANY: **Kupe Oil Co.** LEASE: **Harrett**
 WELL NO.: **#2** RIG NO.: **#1**
 DISTRICT: COUNTY: **Trego** STATE: **Kans.**
 D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3860						DM Leonard Schroeder	9
						EM Jack Doss	9
						H Elias Gonzalez Jr.	9
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H	
@	FT.	Fuel 4'4"		246 miles		DRLR Ed Crist	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER Test 3 1/4		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP 4 3/4		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 12:15 Go In w/ DST #2 3:30 Testing 7:00 Come out w/ DST #2

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3860	3885		65	35000	1000	DM Douglas Kreuzer	8
						EM Joe Braun	8
						H Leslie Dreiling	8
SLOPE TEST		ACCIDENT: - (GIVE NAME) IHP-1920-IF-352-1073-IC-1316				H	
@	FT.	FF-1083, 1248-FC-1316					
DEG. OFF		Rec-2778-gassy oil cut muddy water		DRLR		Francis A Kreuzer	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	#5	WEIGHT		DRILLING	3 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Sec-5-86-F	WTR. LOSS-C.C.		OTHER	1 1/4	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241.5	PH.		TRIP	3 1/4	COLLARS	FT.
HOURS RUN	6 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 10:45 DST #2 (3793-3860) 3:00 cir for samples
 11:45 - Cir to Cond Hole
 1:45 - Drillg - 1/4 conn.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3885						DM Daniel Cochrane	9
						EM Mark Slous	9
						H Tim Crawford	8
SLOPE TEST		ACCIDENT: - (GIVE NAME) 3846-3885 30-45-69-90				H	
@	FT.						
DEG. OFF				DRLR		Keith Crawford	9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	5	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Sec-5-86	WTR. LOSS-C.C.		OTHER	1/2	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241.5	PH.		TRIP	2 3/4	COLLARS	FT.
HOURS RUN	6 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: CFS 3:30 Trip out for DST #3 make up tool trip in 7:15
 Test :00

DAILY DRILLING REPORT
43

CONTRACTOR: **KANDRILCO LTD.** WICHITA GREAT BEND
 DATE: **Emi. 6-18-82**
 COMPANY: **Rupp Oil Co. Inc.** LEASE: **Garretts** WELL NO.: **2** RIG NO.: **1**
 DISTRICT: COUNTY: **Trego** STATE: **Kansas** D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3885		Lime & shale	65	35000	1000	DM Mark Slous	9
						EM Leonard Schroeder	8
						H Ellis Gonsler Jr.	9
SLOPE TEST		ACCIDENT: - 196' Garretts P.C.M.					
@	FT.	ISIP 176 TF 39-59 (Fuel 3'11")					
DEG. OFF		FS 156 FF 78-98 (Fuel 231')	ORLN Keith Crawford 9				

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
UN NO.	5	WEIGHT	43	DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.	84	CORING		SIZE COLL.	
DATE	Sec 5-86	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP		COLLARS	FT.
HOURS RUN	68	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: Trip test Break tool trip bit in 3:45 25' + 4:45 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3905	3940		65	35000	1000	DM Douglas Kretzer	8
						EM Joe Brawn	8
						H Leslie Dreiling	8
SLOPE TEST		ACCIDENT: - Mud-Salt Mud - 10					
@	FT.	Davis #1 - 4					
DEG. OFF		Stitch - 2 100 miles	ORLN Francis A. Kretzer 8				

(4 3/4 Hr Time)

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
N NO.	#5	WEIGHT		DRILLING	3	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
DATE	Sec 5-86	WTR. LOSS-C.C.		OTHER	Rig 1/4	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS	1 1/4	KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	Log 1/2	COLLARS	FT.
HOURS RUN	71	MTL. ADDED (REMARKS)			Log Trip 2	TOTAL	FT.

REMARKS: 8:00 - Drilling 8:45 - C.F.S. (3920) 1:00 - Trip for log
 8:15 - Rig 10:30 - Drilling 3:00 - Trip to log
 8:30 - Drilling 11:30 - C.F.S. (3940)

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
940						DM Daniel Cochran	8
						EM Mark Slous	9
						H Tim Crawford	9
SLOPE TEST		ACCIDENT: - 8 hr to time					
@	FT.						
DEG. OFF			ORLN Keith Crawford 9				

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.	5	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
DATE	Sec. 5-86	WTR. LOSS-C.C.		OTHER	Log 2 1/4	JTS. D. P.	FT.
SERIAL NO.	142213	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2241	PH.		TRIP	1 3/4	COLLARS	FT.
HOURS RUN	71	MTL. ADDED (REMARKS)			LDP 4	TOTAL	FT.

REMARKS: 5:15 Logging 7:00 Trip in hole 11:00 Lay down pipe rig up to run 78 ft of
 8:00 - Good Hole
 11:00 - L.D. Pipe



CONTRACTOR KANDRILCO LTD.	WICHITA GREAT BEND	DATE 6-19-82
COMPANY Rupe Oil Co.	LEASE GARRETT	WELL NO. J
DISTRICT	COUNTY Trego	STATE KANSAS
		RIG NO. 1
		D. P. STRING NO.
		SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3940	TD					DRIVE 246 LEONARD SHROEDER	8
						DANIEL COCHRANE	9
						ELIAS GONSALEZ JR.	9
SLOPE TEST		ACCIDENT:-- (GIVE NAME)					
@	FT.						
DEG. OFF						MARKA SLOUS	9

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
GAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 12:00 Lay down pipe + P 4:00 - metal hall rotating
 1:30 - Rig up to mud 4 1/2 4:15 - COND HOLE 6:00 - SET SLIPS
 3:30 - RAN 98 TTS NEW 9.5" 4 1/2 5:15 - CEMENTING 7:00 - TEAR DOWN

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	(100 miles) NAME	HRS.
						DOUGLAS KREUTZER	8
						JOE BRAUN	8
						LESLIE DRIELING	8
SLOPE TEST		ACCIDENT:-- (GIVE NAME)					
@	FT.						
DEG. OFF						FRANCIS A. KREUTZER	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
GAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: TEAR DOWN - RIG. 8 Rig work.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
SLOPE TEST		ACCIDENT:-- (GIVE NAME)					
@	FT.						
DEG. OFF							

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
GAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS:

DAILY DRILLING REPORT

AS OF 7:00 AM

OPERATOR *Rural Oil Company Inc*
CONTRACTOR *KANDRILCO, INC.*

LEASE *Garrett*
RIG NO. _____ DATE *6/10/82*

WELL NO. *2*
DAY NO. *1*

DRILLING DATA		MUD PROPERTIES			BITS USED		
TOTAL DEPTH	<i>265'</i>	WEIGHT	% SAND	% BIT NO.	<i>1</i>		
OPERATION	<i>W.O.C.</i>	VISCOSITY	% CHLORIDES	KIND / TYPE	<i>Hydra RR</i>		
PREVIOUS TD	<i>0'</i>	PLASTIC VIS.	% CALCIUM	SIZE	<i>12 1/4"</i>		
DRILLED	<i>265'</i>	YIELD POINT	% PH	JETS	<i>3ea 14's</i>		
AVE. ROP	<i>133'</i>	WATER LOSS	% GEL STRENGTH	IN	<i>0</i>		
SURVEY RECORD		OIL	% FILTER CAKE	OUT/GRADE	<i>265'</i>		
FOOTAGE	DEGREES	WATER	% LCM	FEET/DRILLED	<i>265</i>		
<i>265</i>	<i>10</i>	SOLID	%	HOURS/DRILLED	<i>2.00</i>		

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	<i>2.00</i>		GEL	<i>35</i>	<i>8.20</i>	<i>287</i>	LOCATION	<i>Fields! Some leveling 0.5 hrs</i>	<i>930.00</i>
TRIPPING	<i>.75</i>		SODA ASH				NO TRIP TIME	<i>#60/m. 2 Pits 9.0</i>	
RIG SERVICE			CAUSTIC				CASING	<i>252' 6 jets New 8 7/8 - 24# L.S.</i>	<i>UNK</i>
JET/CONN.	<i>2.25</i>		THINNER				CASING CREW		
REPAIRS EXPLAIN OVER 1 HR.			DRISPAK				CEMENTING	<i>Halliburton - Hays</i>	<i>2054.06</i>
SURVEYING	<i>.25</i>		STARCH				HOLE	<i>9.50 265'</i>	<i>2517.50</i>
RIG UP & Moving	<i>10.00</i>		MULLS	<i>5</i>	<i>11.50</i>	<i>57.50</i>	MUD	<i>Davis</i>	<i>366.10</i>
TEAR DOWN			LIME	<i>3</i>	<i>7.20</i>	<i>21.60</i>	WATER (POND)	<i>Dean Hollandworth</i>	<i>400.00</i>
RAT HOLE	<i>.50</i>		WT. MAT				CO TIME (PIT UNK) - Wakeeney		<i>104.00</i>
C & COND. MUD	<i>.25</i>		PRESERV.				GEOLOGIST (Hauling)	<i>Chevenne Oil Serv.</i>	<i>863.40</i>
TESTING							ENGINEER		
LOGGING			TODAY'S			<i>366.10</i>	LOGGING UNIT		
CFS			PREVIOUS			<i>1.00</i>	DST		
REAM HOLE			TOTAL COST			<i>366.10</i>	GAS DETECTOR		
WOO			FRESH WATER	LDS - BBL	HRS @	TOTAL COST	CORING		
RUN PIPE	<i>.50</i>						Trucking	<i>RC Williams/Spartan - Est #400-5000</i>	<i>UNK</i>
CEMENTING	<i>.50</i>		<i>2 Trucks TODAY'S</i>	<i>22-80</i>	<i>27</i>	<i>863.40</i>	TODAY'S WELL COST		<i>7235.06</i>
	<i>7.00</i>		<i>Wakeeney</i>	<i>Pt Linal</i>		<i>104.00</i>	PREVIOUS DAYS WELL COST		<i>1</i>
			<i>Punch water</i>			<i>400.00</i>	TOTAL WELL COST TO DATE		<i>1</i>
			TOTAL COST			<i>1367.40</i>			
TODAY'S - 24	<i>24.00</i>		DST	INTERVAL	PERIOD	HYD	FHYD		
PREVIOUS			ISIP	FSIP	IF	TEMP	CHLOR		
TOTAL			RECOVERY:						

CASING PROGRAM		DST	INTERVAL	PERIOD	HYD	FHYD
ISIP	FSIP	IF	FF	TEMP	CHLOR	
RECOVERY						

PURPOSE	TYPE	D.D.	WT	# of JETS	SET @	HOLE SIZE	HOLE DEPTH	CEMENT	ADDITIVES	CIRC	PLUG DOWN	REMARKS:
<i>Surface</i>	<i>NEW</i>	<i>8 7/8" 24# 8rd, L.S.</i>		<i>6 ea 252'</i>	<i>255 GL (263KB)</i>	<i>12 1/4"</i>	<i>265'</i>	<i>175 sks Common</i>	<i>2% Gel 3% CaCl2</i>	<i>YES</i>	<i>12:00 Midnight 6/9/82</i>	<p><i>Operations commencing 7:00 AM 6/9/82</i></p> <p><i>* Spud in 5:30 PM 6/9/82 (Wednesday)</i></p> <p><i>Drilled to 265' KB (257 GL) 5:00 10.00 MIR U</i></p> <p><i>Circ to con hole. Commenced running pipe at 5:30 .50 Dtg Ratha</i></p> <p><i>11:00 PM/6-9-82. Ran a total of 6 jets (252' stands 9:45 4.25 Dtg/ Jet Conn</i></p> <p><i>off) New 8 7/8" 24# 8rd L.S. Cog. Landed casing at 10:00 .25 Circ to con. hole</i></p> <p><i>263 KB (Collar 3.0' below G.L.) R.4. Halliburton; 10:25 .25 SHT 265' - 1'</i></p> <p><i>Hill Circ. 5 min, started mixing cement 11:00 .75 TOOH to run pipe</i></p> <p><i>#40. Mixed/ displaced 175 sks Halo Common 11:30 .50 Run 8 7/8" Surf Casing</i></p> <p><i>w/ 2% Gel 3% CaCl2. Pumped 15.5 bbl at 12:00 .50 Cementing</i></p> <p><i>a rate of 3.0 bbl/min. Displaced for water 7:00 7.00 WOC.</i></p> <p><i>Plug down at 12:00 M 6/9/82.</i></p> <p><i>Cement did circulate to surface. Final pump pressure = 200 psi. Left 15.0' cement in pipe.</i></p>

DAILY DRILLING REPORT

AS OF 7:00 AM

OPERATOR *Pure Oil Company, Inc.*
CONTRACTOR *KANDRILCO, Inc.*

LEASE

Garrett

RIG NO.

1

DATE

6/11/82

WELL NO.

2

DAY NO.

2

DRILLING DATA		MUD PROPERTIES			BITS USED		
TIME		DATE			1982		
TOTAL DEPTH	<i>1995</i>	WEIGHT	% SAND	%	BAT NO.	<i>2</i>	<i>3</i>
OPERATION	<i>OOH-WOT</i>	VISCOSITY	CHLORIDES	%	RIND / TYPE	<i>Smith DTJ</i>	<i>Smith DTJ</i>
PREVIOUS TD	<i>265</i>	PLASTIC VIS.	CALCIUM	%	SIZE	<i>7 7/8"</i>	<i>7 7/8"</i>
DRILLED	<i>1730'</i>	YIELD POINT	PH	%	JETS	<i>3 ea #13's</i>	<i>3 ea #13's</i>
AVE. ROP	<i>144.2' M</i>	WATER LOSS	GEL STRENGTH	%	IN	<i>265'</i>	<i>1145'</i>
SURVEY RECORD		OIL	FILTER CAKE	%	OUT/GRADE	<i>1145'</i>	<i>1995'</i>
FOOTAGE	DEGREES	WATER	LCM	%	FEET/DRILLED	<i>880'</i>	<i>850'</i>
<i>1145</i>	<i>MISRUN</i>	SOLID		%	HOURS/DRILLED	<i>5.00</i>	<i>7.00</i>

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	<i>12.00</i>		GEL		<i>8.20</i>		LOCATION		
TRIPPING	<i>3.25</i>		SODA ASH				CONDUCTOR		
RIG SERVICE	<i>.25</i>		CAUSTIC				CASING		
JET/CONN	<i>3.00</i>		THINNER				CASING CREW		
REPAIRS	EXPLAIN OVER 1 HR.		DRISPAK				CEMENTING		
SURVEYING	<i>1145'</i>	<i>.25</i>	STARCH				MOLE	<i>9³⁰ 1730'</i>	<i>16,435⁰⁰</i>
RIG UP			MULLS		<i>11.50</i>		MUD		
TEAR DOWN			LIME		<i>7.20</i>		WATER	<i>Hauling Cheyenne</i>	<i>608⁰⁰</i>
RAT HOLE			WT. MAT				CO TIME		
C & COND. MUD			PRESERV.				GEOLOGIST		
TESTING							ENGINEER		
LOGGING			TODAY'S			<i>100</i>	LOGGING UNIT		
CFS			PREVIOUS			<i>366110</i>	DST		
REAM HOLE			TOTAL COST			<i>366110</i>	GAS DETECTOR		
WOC			FRESH WATER	LDS · BBL	HRS · @	TOTAL COST	CORING		
RUN PIPE			TODAY'S	<i>17-80</i>	<i>19 @ 32</i>	<i>608⁰⁰</i>			
CEMENTING									
WOC	<i>1.00</i>		PREVIOUS			<i>1367⁴⁰</i>	TODAY'S WELL COST		<i>170431</i>
WOT (Finger Bkt)			TOTAL COST			<i>19761</i>	PREVIOUS DAYS WELL COST		
<i>1/2 Magnet - NL Acme</i>	<i>4.25</i>						TOTAL WELL COST TO DATE		
TODAY'S - 24	<i>24.00</i>	<i>0</i>	DST	INTERVAL			PERIOD	HYD	FHYD
PREVIOUS		<i>0</i>	ISIP	FSIP	IF	FF	TEMP	CHLOR	
TOTAL		<i>0</i>	RECOVERY:						

CASING PROGRAM		RECOVERY	
PURPOSE	NEW	USED	
<p>REMARKS: <i>Operations commencing 7:00 am 6/10/82</i> <i>Drlg w/ wt native mud. Commenced drlg</i> <i>Drlg in shale - Prob in ANHY... Cement plug at 8:00 am. 6/10/82</i> <i>Gordan Demco FXK 6" x 14"</i> <i>Strk per min = 52 Pressure = 700 PSI 8:00 WOC</i> <i>Rot. Table Spd. 90 2:15 Drlg, Jet, Conn</i> <i>Bit wt. 25,000 2:30 SH-T-1145' - Misrun</i> <i>NL Acme arr on loc at 6:50 am. 4:15 Bit TRIP #3</i> <i>Cone run off bit #3 1:15 Drlg, Jet, Conn</i> <i>7:00 TOOH - Ran Cone off Bit</i> <i>W.A Toolo - NL Acme</i> <i>Shap @ 1995' - .87' long to board.</i> <i>Not corrected</i></p>			
CIRC	YES	NO	
PLUS DOWN			
			<i>ANHY Top - 1948'</i> <i>Base -</i>

DAILY DRILLING REPORT

AS OF 7:00 AM
 OPERATOR Rupe Oil Co. 1
 CONTRACTOR KANDRILCO, Inc.

LEASE Garrett WELL NO. 2
 WIG NO. 1 DATE 6/12/82 DAY NO. 3

DRILLING DATA		MUD PROPERTIES		BITS USED	
TOTAL DEPTH	2241	WEIGHT	% SAND	BIT NO.	4
OPERATION	TIH w/Bit	VISCOSITY	ppm/Ag CHLORIDES	KIND / TYPE RR	Smith F2
PREVIOUS TD	1995	PLASTIC VIS.	ppm CALCIUM	SIZE	7 7/8"
DRILLED	246'	YIELD POINT	%/100' 2 PH	JETS	3ea #13's
AVE. ROP	37.8' / hr.	WATER LOSS	% GEL STRENGTH	IN	1995
SURVEY RECORD		OIL	% FILTER CAKE	OUT/GRADE	2241
FOOTAGE	DEGREES	WATER	% LCM	FEET/DRILLED	246'
2241	10	SOLID	%	HOURS/DRILLED	6.50

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	6.50		GEL		8.20		LOCATION		
TRIPPING	2.75		BODA ASM				CONDUCTOR		
RIG SERVICE	.25		CAUSTIC				CASING		
JET/CONN	.75		THINNER				CASING CREW		
REPAIRS EXPLAIN OVER 1 HR.	.25		DRISPAK				CEMENTING		
SURVEYING	1.25		STARCH				HOLE	950	2337.00
RIG UP			MULLS		11.50		MUD		
TEAR DOWN			LIME		7.20		WATER		512.00
RAT HOLE			WT. MAT				CO TIME		
C & COND. MUD			PRESERV.				GEOLOGIST		
TESTING							ENGINEER		
LOGGING			TODAY'S			60	LOGGING UNIT		
CFS			PREVIOUS			366.10	DST		
REAM HOLE			TOTAL COST			366.10	GAS DETECTOR		
WOO			FRESH WATER	LDS-BBL	HRS @	TOTAL COST	CORING		
RUN PIPE			TODAY'S	13-80	16 @ 32	512			
CEMENTING							TODAY'S WELL COST		2849.10
WOC			PREVIOUS			1976	PREVIOUS DAYS WELL COST		
Fishing Cone	13.25		TOTAL COST			2488	TOTAL WELL COST TO DATE		
TODAY'S - 24	24.00	0	DST	INTERVAL			PERIOD	IN	FNYD
PREVIOUS		0	ISIP	FSIP	IF		TEMP	CHLOR	
TOTAL		0	RECOVERY:						

CASING PROGRAM		DST	INTERVAL	PERIOD	IN	FNYD
ISIP	FSIP	IF	FF	TEMP	CHLOR	
RECOVERY						

PURPOSE	NEW	USED	REMARKS:
TYPE			Drlg w/ fresh water / native solids
O.D.			Drlg in shale. Ops commencing 7:00 AM 6/11
WT			8:15 PM 13.25 Fishing Cone 004
# of JETS			10:00 1.75 Drlg/Jet, Conn
SET @			10:15 .25 Clean. Mud Pump Sec
HOLE SIZE			11:00 .75 Drlg/Jet, Conn
HOLE DEPTH			11:15 .25 Rig Check
CEMENT			4:00 4.75 Drlg/Jet, Conn
ADDITIVES			4:15 .25 SHT 2241' - 1'
CIRC	YES	NO	7:00 2.75 Bit Trip
PLUG DOWN			

ANHY Base - 1981

DAILY DRILLING REPORT

AS OF 7:00 AM
 OPERATOR Pure Oil Co.
 CONTRACTOR KANDRILL CO., Inc

LEASE Garrett
 RIG NO 1 DATE 6/14/82
 WELL NO 2 DAY NO 5

DRILLING DATA		MUD PROPERTIES		BITS USED	
TOTAL DEPTH	3450	WEIGHT	% SAND	% BIT NO.	
OPERATION	Drlg	VISCOSITY	ppg CHLORIDES	ppg KIND / TYPE	
PREVIOUS TD	2920	PLASTIC VIS.	ppm CALCIUM	ppm SIZE	
DRILLED	530'	YIELD POINT	ppm PH	ppm JETS	
AVE. ROP	26.50	WATER LOSS	cc GEL STRENGTH	IN	
SURVEY RECORD		OIL	% FILTER CAKE	OUT/GRADE	
FOOTAGE	DEGREES	WATER	% LCM	FEET/DRILLED	1209'
		SOLID	%	HOURS/DRILLED	4025

MUN 15 1982

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	20.00		GEL	27		227.40	LOCATION		
TRIPPING <u>17th Short Trip</u>	1.00	?	OSDA ADM				CONDUCTOR		
RIG SERVICE	.75		CAUSTIC				CABING		
JET/CONN	2.00		THINNER				CASING CREW		
REPAIRS <small>EXPLAIN OVER 1 HR.</small>	.25		DRISPAK				CEMENTING		
SURVEYING			STARCH	40		1312.00	HOLE 9.50	530'	5035.00
RIG UP			MULLS	9		103.50	MUD		1960.50
TEAR DOWN			LIME				WATER		832.00
RAT HOLE			WT. MAT				CO TIME 180.00		
C & COND MUD			PRESERV.	2		174.80	GEOLOGIST		
TESTING			Salt Gel	20		148.80	ENGINEER		
LOGGING			TODAY'S			1960.150	LOGGING UNIT		
CFS			PREVIOUS			366.10	DST		
REAM HOLE			TOTAL COST			2326.60	GAS DETECTOR		
WOC			FRESH WATER	LDS-BBL	HRS @	TOTAL COST	CORING		
RUN PIPE			TODAY'S	20-80	26	832.00			
CEMENTING									
WOC			PREVIOUS			2952.00	TODAY'S WELL COST		7827.150
			TOTAL COST			3784.00	PREVIOUS DAYS WELL COST		
							TOTAL WELL COST TO DATE		
TODAY'S - 24			DST	INTERVAL		PERIOD	HYD	FMYD	
PREVIOUS			ISIP	FSIP	IF	FF	TEMP	CHLOR	
TOTAL			RECOVERY						

CASING PROGRAM		DST	INTERVAL	PERIOD	HYD	FMYD
ISIP	FSIP	IF	FF	TEMP	CHLOR	
RECOVERY						

PURPOSE	NEW	USED	REMARKS:
TYPE			<i>Drlg w/ fresh water and native solids Drlg in shale & lime. Mud in Premix Tank</i>
OD			
WT			52
# of JETS			960
BET @			65
HOLE SIZE			30,000
HOLE DEPTH			
CEMENT			Geologist called at 7:00 a.m.
ADDITIVES			
CIRC	YES	NO	
PLUS DOWN			

7:15 Rig
 1:45 Drlg
 2:45 Short Trip-17
 3:15 Drlg
 3:30 Rig
 11:45 Drlg
 12:00 Rig
 1:00 Drlg
 1:15 MP Screen
 7:00 Drlg

DAILY DRILLING REPORT

AS OF 7:00 AM
 OPERATOR *Rupe Oil Co.*
 CONTRACTOR *KANDRILCO, Inc.*

LEASE *Garrett*
 RIG NO. *1* DATE *6/15/82*
 WELL NO. *2* DAY NO. *6*

DRILLING DATA		MUD PROPERTIES		BITS USED	
TIME <i>11:30</i>		DATE <i>6/14/82</i>			
TOTAL DEPTH	<i>3725'</i>	WEIGHT	<i>9.5</i> lbs SAND	BIT NO.	<i>6-1/8" 5</i>
OPERATION	<i>OBW/DST#1</i>	VISCOSITY	<i>40</i> cP	CHLORIDES	<i>16000</i> ppm
PREVIOUS TO	<i>3450'</i>	PLASTIC VIS.	<i>8</i> cP	CALCIUM	<i>20</i> ppm
DRILLED	<i>275'</i>	YIELD POINT	<i>16</i> lb/100'²	PH	<i>6</i>
AVE. ROP	<i>21.2'</i>	WATER LOSS	<i>12.4</i> cc	GEL STRENGTH	<i>7/13</i>
SURVEY RECORD		OIL	%	FILTER CAKE	<i>2/32</i>
FOOTAGE	DEGREES	WATER	%	LCM	<i>.5</i>
<i>Declined by Geologist.</i>		SOLID	<i>5.4</i> %		
				OUT/GRADE	
				FEET/DRILLED	<i>1484</i>
				HOURS/DRILLED	<i>53.25</i>

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	<i>13.00</i>		GEL	<i>19</i>	<i>8.20</i>	<i>155.80</i>	LOCATION		
TRIPPING <i>Short Trip 10std</i>		<i>1.00</i>	SODA ASH				CONDUCTOR		
RIG SERVICE	<i>.50</i>		CAUSTIC				CASING		
JET/CONN	<i>1.00</i>		THINNER				CASING CREW		
REPAIRS <i>EXPLAIN OVER 1 HR.</i>			DRISPAK				CEMENTING		
SURVEYING			STARCH	<i>11</i>	<i>32.80</i>	<i>360.80</i>	HOLE	<i>9.50</i> <i>275'</i>	<i>2612.50</i>
RIG UP			MULLS	<i>2</i>	<i>11.50</i>	<i>23.00</i>	MUD	<i>Davis</i>	<i>889.28</i>
TEAR DOWN			LIME				WATER	<i>Hauling Cheyenne</i>	<i>448.00</i>
RAT HOLE			WT. MAT				CO TIME	<i>180.00</i> <i>9.5 hr</i>	<i>1710.00</i>
C & COND. MUD		<i>1.00</i>	PRESERV.				GEOLOGIST	<i>Jim Crisler</i>	
TESTING		<i>5.00</i>	<i>Salt Gel</i>	<i>47</i>	<i>7.44</i>	<i>349.68</i>	ENGINEER		
LOGGING			TODAY'S			<i>889.28</i>	LOGGING UNIT		
CFS <i>3725'</i>		<i>1.00</i>	PREVIOUS			<i>2326.60</i>	DST #1	<i>Halliburton (in progress)</i>	
REAM HOLE			TOTAL COST			<i>3215.88</i>	GAS DETECTOR		
WOC			FRESH WATER	LDS-BBL	HRS @	TOTAL COST	CORING		
WOC			TODAY'S	<i>9-80</i>	<i>14@32</i>	<i>448.00</i>	TODAY'S WELL COST		<i>5659.78</i>
<i>W/O Tester</i>		<i>1.50</i>	PREVIOUS			<i>3784.00</i>	PREVIOUS DAYS WELL COST		
			TOTAL COST			<i>4232.00</i>	TOTAL WELL COST TO DATE		
TODAY'S - 24	<i>14.50</i>	<i>9.50</i>	DST 1	INTERVAL	<i>3680-3725</i>	PERIOD	INHYD	FHYD	
PREVIOUS		<i>0</i>	ISIP	FSIP	IF	FF	TEMP	CHLOR	
TOTAL		<i>9.50</i>	RECOVERY:						

CASING PROGRAM		DST	INTERVAL	PERIOD	INHYD	FHYD

PURPOSE	NEW	USED	REMARKS
TYPE			<i>Duty in KC</i>
OD			<i>Rig Mud check As of NONE wt. Visc.</i>
WT			<i>GD FXK 6" X 14" DST Tool Opened at 7:00 Am</i>
# of JETS			<i>Str - 52 SPM Open Commencing 7:00 Am 7:15 .25 Rig Check</i>
SET @			<i>Pres. - 900 PSI 3:15 8.00 Pres./Set, Conn</i>
HOLE SIZE			<i>Rot. Table - 65 RPM 3:30 .25 Rig Check</i>
HOLE DEPTH			<i>Bit wt. - 30,000# 9:30 6.00 Duty/Set, Conn</i>
CEMENT			<i>10:30 1.00 CFS @ 3725'</i>
ADDITIVES			<i>11:30 1.00 10 Stand Short Trip</i>
CIRC	YES	NO	<i>12:30 1.00 Circ to Cond Hole</i>
PLUS DOWN			<i>7:00 6.50 DST#1</i>
			<i>Geologist on location as of 6/14/82</i>

DAILY DRILLING REPORT

AS OF 7:00 AM
 OPERATOR Rupe Oil Co. Inc.
 CONTRACTOR KANDRILCO, Inc.
 LEASE Garrett
 WELLS NO. 7
 DATE 6/16/82
 DAY NO. 7

DRILLING DATA		MUD PROPERTIES			BITS USED		
TOTAL DEPTH	3770	WEIGHT	9.6	% SAND		BIT NO	5
OPERATION	Drig	VISCOSITY	44	CHLORIDES	22000	KIND / TYPE	Sec. 586
PREVIOUS TO	3725	PLASTIC VIS.		CALCIUM		SIZE	7 7/8"
DRILLED	45	YIELD POINT		PH	6.2	JETS	3ea #13's
AVE ROP	12'	WATER LOSS	14.4	GEL STRENGTH		IN	2241
SURVEY RECORD		OIL		% FILTER CAKE	2/324	OUT/GRADE	
FOOTAGE	DEGREES	WATER		% LCM	1.0	FEET/DRILLED	1524
		SOLID	7.2			HOURS/DRILLED	57.00

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	3.75		GEL	5	8.20	41.00	LOCATION		
TRIPPING			SOBA ASM				CONDUCTOR		
RHS SERVICE			CAUSTIC				CASING		
JET/CONN	.25		THINNER				CASING CREW		
REPAIRS OVER 1 HR.	9.50		DRISPAK				CEMENTING		
SURVEYING			STARCH	11	32.80	360.80	MOLE	950 45'	427.50
RIS UP			MULLS	4	11.50	46.00	MUD		745.40
TEAR DOWN			LIME				WATER		
RAT MOLE			WT. MAT				CO TIME	180 10.5	1890.00
C & COND MUD	1.50		PRESERV.				GEOLOGIST		
TESTING	9.00		Salt Gel	40	7.44	297.60	ENGINEER		
LOGGING			TODAY'S			1745.40	LOGGING UNIT		
CFS			PREVIOUS			3215.88	DST #1	Halliburton (line ml)	692.00
REAM HOLE			TOTAL COST			3961.28	GAS DETECTOR		
WOC			FRESH WATER	LDS-BBL	HRS @	TOTAL COST	CORING		
RUN PIPE			TODAY'S			0	TRACTOR	Early Ho and waste	50.00
CEMENTING			PREVIOUS			4232.00	Assist wtr Trk on 6/14/82		
WOC			TOTAL COST			4232.00	TODAY'S WELL COST		3904.90
							PREVIOUS DAYS WELL COST		
							TOTAL WELL COST TO DATE		
TODAY'S - 24	13.50	10.50	DST 1	INTERVAL 3680 - 3725	PERIOD " 30 " 60 " 30 " 40	INHYD	FHYD		
PREVIOUS	9.50		ISIP 1306	FSIP 1306	IF 399	FF 676	TEMP	CHLOR	
TOTAL	20.00		RECOVERY: 372' GOCM	434' GOCW	558' GW				

CASING PROGRAM		DST	INTERVAL	PERIOD	INHYD	FHYD
ISIP	FSIP	IF	FF	TEMP	CHLOR	
RECOVERY						

PURPOSE	NEW	USED	REMARKS:
TYPE			Rig Mud Check @ 6:00am wt. 9.5 Visc 42
OD			Drilling in line
WT			Gardner-Denver FXK 6"X14" Operations commencing 7:00 am 6/15/82
# of JETS			Strokes S2 Pressure 400 4:00 9.00 DST#1
SET @			Rot. RPM 30 RPM Bit Wt. 35,000 * 1:30AM 9.50 Swivel Repairs had to replace
HOLE SIZE			#404348 Mud Engr Rpt Cost. 3:00 1.50 Cut to Conn Hole
HOLE DEPTH			- 3761 25 KDC 7:00 4.00 Drig. Jet, Conn
CEMENT			82.20 VARIANCE
ADDITIVES			Short trip 2 days ago due to suspected hole * Replaced swivel w/ borrowed one from Paul Allen.
CIRC	YES	NO	Trucking - Dick Julian - Get Band
PLUG DOWN			

DAILY DRILLING REPORT

AS OF 7:00 AM

OPERATOR **Hupe Oil Comp.**
CONTRACTOR **KANDRILCO, Inc.**

LEASE **Garrett**
RIS NO. **1** DATE **6/17/82**

WELL NO. **2**
DAY NO. **8**

DRILLING DATA

TIME mud Eng - pits **6:45** **MUD PROPERTIES** DATE **6/17/82**

BITS USED

TOTAL DEPTH	3860	WEIGHT	9.6	% SAND		BIT NO.	5
OPERATION	DST #2	VISCOSITY	50	CHLORIDES	19000	KIND / TYPE	Sec. 586
PREVIOUS TO DRILLED	3770	PLASTIC VIS.	17	CALCIUM		SIZE	7 7/8"
AVE. ROP	90	YIELD POINT	27	RH	6.2	JETS	3 ea #13's
SURVEY RECORD		WATER LOSS	10.2	GEL STRENGTH	11/19	IN	2241
FOOTAGE	3860	OIL		% FILTER CAKE	2/32d	OUT/GRADE	
DEGREES	1/2°	WATER		% LCM	1.0	FEET/DRILLED	1619'
SOLID			8.2			HOURS/DRILLED	64:00

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	7.00		GEL	5	8.20	41.00	LOCATION		
TRIPPING <i>Sh. Trip 6 st</i>		.50	SODA ASH				CONDUCTOR		
RIG SERVICE	.50		CAUSTIC				CASING		
JET/CONN	.25		THINNER				CASING CREW		
REPAIRS <i>EXPLAIN OVER 1 HR.</i>	.25		DRISPAK				CEMENTING		
SURVEYING 3860'	.25		STARCH	6	32.80	196.80	MOLE 9.50	90	855.00
RIG UP			MULLS				MUD	Davis	312.20
TEAR DOWN			LIME				WATER		0
RAT HOLE			WT. MAT				CO TIME 180.00	15.75	2835.00
C & COND. MUD		1.00	PRESERV.				GEOLOGIST		
TESTING		11.25	<i>Salt Gel</i>	10	7.44	74.40	ENGINEER		
LOGGING			TODAY'S			312.20	LOGGING UNIT		
CFS 3810, 3830, 3860'		3.00	PREVIOUS			3961.28	DST #2	Halliburton on location	
REAM HOLE			TOTAL COST			4273.48	GAS DETECTOR		
WOO			FRESH WATER	LDS-BBL	HRS @ \$	TOTAL COST	CORING		
RUN PIPE			TODAY'S			0	TODAY'S WELL COST		4002.120
CEMENTING			PREVIOUS			4232.00	PREVIOUS DAYS WELL COST		
WOC			TOTAL COST				TOTAL WELL COST TO DATE		
TODAY'S = 24	8.25	15.75	DST 2	INTERVAL 3773-3860	PERIOD " 30" 45" 30" 90	INHYD	DO	FHYD	DO
PREVIOUS		20.00	ISIP	FSIP	IF	FF	TEMP	CHLOR	
TOTAL		35.75	RECOVERY: <i>Rac 3000' fluid... mostly oil at least 40% shall coming out</i>						

CASING PROGRAM

DST	INTERVAL	PERIOD	INHYD	FHYD
ISIP	FSIP	IF	FF	TEMP
RECOVERY				

PURPOSE	NEW	USED
TYPE		
O.D.		
WT		
# of JETS		
SET @		
HOLE SIZE		
HOLE DEPTH		
CEMENT		
ADDITIVES		
CIRC	YES	NO
PLUG DOWN		

REMARKS: Rig Mud Check @ N/A Operations Commencing 7:00 AM
Drilling N/A ✓ 8:45 1.75 Dilg, Jet, Conn
 Gardner Denver FXK 6" X 14" ✓ 9:00 .25 Rig Check
 Strokes 52 Pressure 900 ✓ 10:15 1.25 Dilg, Jet, Conn.
 Rot RPM 70 Bit Wt. 35000 ✓ 11:15 1.00 CFS @ 3810'
 ✓ 1:00 1.75 Dilg, Jet, Conn
 ✓ 1:15 .25 Clean MP Screen
 ✓ 2:15 1.00 CFS @ 3830'
 ✓ 4:15 2.00 Dilg, Jet, Conn.
 ✓ 4:30 .25 Rig Check
 ✓ 5:00 .50 Dilg, Jet, Conn.
 ✓ 6:00 1.00 CFS @ 3860'
 ✓ 6:30 .50 Short trip - 6 stands
 ✓ 7:30 1.00 Circ to Cond Hole.
 ✓ 7:45 .25 SHT 3860' - 1/2°
 7:00 1.25 DST #2

DRILLING DATA		MUD PROPERTIES			BITS USED		
DEPTH	3900	WEIGHT	9.6	SAND	%	BIT NO.	5
FORMATION	Dalg	VISCOSITY	52	CHLORIDES	19000	KIND / TYPE	See 586
PREVIOUS T.D.	3860	PLASTIC VIS.	13	CALCIUM	0	SIZE	7 7/8"
LOGGED	40	YIELD POINT	67	P.H.	6.6	JETS	3ea #13's
ROP	10'/hr.	WATER LOSS	10.6	GEL STRENGTH	11/19	IN	2241
SURVEY RECORD		OIL	%	FILTER CAKE	2/32d	OUT/GRADE	
FOOTAGE	DEGREES	WATER	%	LCM	1.0	FEET/DRILLED	1659
		SOLID	8.6			HOURS/DRILLED	68.00

JUN 21 1982

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	4.00		GEL	5	8.20	41.00	LOCATION		
TRIPPING			SODA ASH				CONDUCTOR		
SERVICE			CAUSTIC				CASING 4 1/2"	Casing deliv. to location	UNK
W/CONN.	.25		THINNER				CASING CREW		
MAINT. EXPLAIN OVER 1 HR.			DRISPAC				CEMENTING		
TRAVELING			STARCH	6	32.80	196.80	HOLE 9.50	40'	380.00
TRIP UP			HULLS				MUD	Davis	312.80
TRIP DOWN			LIME				WATER		
TRIP HOLE			WT. MAT.				CO. TIME 180.00	19.75	3555.00
COND. MUD		2.00	PRESERV.				GEOLOGIST		
TRIPPING		16.00	Salt Gel	10	7.44	74.40	ENGINEER		
TRIPPING			TODAY'S			312.80	LOGGING UNIT		
TRIPPING		1.75	PREVIOUS			4273.148	DST #2 ; #3	Halliburton #692 uid mi. per test	1384.00
TOTAL HOLE			TOTAL COST			45851.68	GAS DETECTOR		
TRIP			FRESH WATER	LDS-BBL	HRS. @	TOTAL COST	CORING		
TRIP			TODAY'S			0	Trucking	Casing - Unk.	
TOTAL			PREVIOUS			42321.00	TODAY'S WELL COST		5631.620
TOTAL			TOTAL COST			4232.00	PREVIOUS DAYS WELL COST		
TOTAL			TOTAL COST			4232.00	TOTAL WELL COST TO DATE		
TOTAL	4.25	19.75	DST 2	INTERVAL 3793 - 3860	PERIOD "30" 45" 30" 90"	IHYD	FHYD		
TOTAL		35.75	ISIP 1316	FSIP 1316	IF 350	FF 1087	TEMP	CHLOR.	
TOTAL		55.50	RECOVERY: 2728' GOCMW						

CASING PROGRAM		DST	INTERVAL	PERIOD	IHYD	FHYD
DST 3	INTERVAL 3846 - 3885	PERIOD "30" 45" 60" 90"	IHYD	FHYD		
ISIP 176	FSIP 156	IF 59	FF 98	TEMP	CHLOR.	
RECOVERY: 196' GOCM						

PROPOSE	NEW	USED	REMARKS:
PE			RIG MUD CHK NONE
D.-WT			Drilling in lime
SET		FT.	Operations Commencing 7:00 am
IF JTS.		FT.	MUD PUMP INFO: 10:45 3.75 DST#2
T AT		FT.	MAKE/SIZE: GD FXK 6" X 14" 11:45 1.00 C/c to con hole
LE SIZE		IN.	STROKES Per Min: 52 1:45 2.00 Dalg/Jet, conn
LE DEPTH		FT.	PRESSURE: 900 3:30 pm 1.75 CFSC@ 3885'
EMENT			BIT WEIGHT: 30,000# 3:45 AM 12.25 DST#3
DDITIVES			ROTATING SPEED: 70 4:45 1.00 C/c to Con hole
RC.	YES	NO	7:00 2.25 Dalg/Jet, conn
UG DOWN			4 1/2" Casing was delivered to location. Proposed plane was to drill to 3920', test any shows, otherwise set pipe.
			Bearing leak on driller's side cathead.

DRILLING DATA		MUD PROPERTIES		BITS USED	
TOTAL DEPTH	WEIGHT	% SAND	BIT NO.	TIME	DATE
3940'			5		
OPERATION <u>Rigging Dwn</u>	VISCOSITY	CHLORIDES	KIND / PIPE		
PREVIOUS TD <u>3900'</u>	PLASTIC VIS.	CALCIUM	SIZE		
DRILLED <u>40'</u>	YIELD POINT	PH	JETS		
AVE. ROP <u>13.3'</u>	WATER LOSS	GEL STRENGTH	IN		
SURVEY RECORD		% OIL	OUT/GRADE		
FOOTAGE	DEGREES	% WATER	FEET/DRILLED		
		% SOLID	HOURS/DRILLED		

OPERATION	CONT HRS.	OPER HRS.	MUD ADDED	QTY.	UNIT COST	TOTAL COST	SERVICE	DESCRIPTION	COST
DRILLING	3.00		GEL	4	8.20	32.80	LOCATION <u>Coring</u>	<u>Hd, Mopex, Plug</u>	
TRIPPING for Logging		3.25	ODSA ASN				CONDUIT	<u>New 4 1/2" 9.5# 8rd, J-55</u>	
RIG SERVICE	.25		CAUSTIC				CASING	<u>98 jts - 3929.93 Tndoff</u>	
JET/CONN			THINNER				CASING CREW	<u>Murray</u>	830.00
REPAIRS OVER 1 HR.			DRISPAK				CEMENTING	<u>Halliburton</u>	1916.68
SURVEYING			STARCH	2	32.80	65.60	HOLE	<u>40'</u>	380.00
RIG UP			MULLS				MUD		
TEAR DOWN	1.00		LIME				WATER		
RAT HOLE			WT. MAT				CO TIME	<u>180.00</u>	9.75
C & COND. MUD/HOLE	.25	1.00	PRESERV.				GEOLOGIST		1755.00
TESTING			Salt Gel	10	7.44	74.40	ENGINEER	<u>John Cecil was on location</u>	
LOGGING		4.25	TODAY'S			172.80	LOGGING UNIT	<u>Walex</u>	2874.98
CFS @ 3920' / 3940'		1.25	PREVIOUS			4585.68	DST		
BEAN-HOLE LDDP	4.00		TOTAL COST			4758.48	GAS DETECTOR		
WORK/Cellarwork	1.50		FRESH WATER	LDS-BBL	HRS @	TOTAL COST	CORING		
RUN PIPE	2.50		TODAY'S			0	TODAY'S WELL COST (not incl Coy/Cog Hld)		11697.99
work Jet pits, collar and Set slips	.75		PREVIOUS			4232.00	PREVIOUS DAYS WELL COST		
			TOTAL COST			4232.00	TOTAL WELL COST TO DATE		
TODAY'S - 24	14.25	9.75	DST	INTERVAL	PERIOD	INVD	FHYD		
PREVIOUS		55.50	ISIP	FSIP	IF	TEMP	CHLOR		
TOTAL		65.25	RECOVERY						

CASING PROGRAM		DST	INTERVAL	PERIOD	INVD	FHYD
		ISIP	FSIP	IF	TEMP	CHLOR
RECOVERY						

PURPOSE	TYPE	REMARKS	TIME	OPER HRS.	DESCRIPTION
Production	NEW	Operator commencing 7:00 AM 6/13			
OD	4 1/2"	Loggers TD = 3938'	8:00	1.00	Dlog, Jet/Conn
WT	9.5#	4:00 2.50 Run Cag	8:15	.25	Rig Check
# of JETS	98	4:15 .25 Hook up to	8:30	.25	Dlog, Jet/Conn
SET @	3938'	pen: Cic to Cen.	8:45	.25	CFS @ 3920'
HOLE SIZE	7 7/8"	5:15 1.00 Cementing Cag - Rotate pipe T/C	10:30	1.75	Dlog, Jet/Conn
HOLE DEPTH	3940'	6:00 .75 Jet pits, collar	11:30	1.00	CFS @ 3940' (Con)
CEMENT	200 SKS 50-50 pack	7:00 1.00 Teasing down	1:00	1.50	TOOH to log
ADDITIVES	2% Gel, 18% NaCl		* 5:15	4.25	Logging
	.75% CFR, 1/4" Flocc/ct		7:00	1.75	TIH off Log
CIRC	GOOD RETURNS		8:00	1.00	Cic to cen hole
PLUG DOWN	5:15 AM 6/19		12:00	4.00	LDDP
EST.	PBTD 3926' KB		1:30	1.50	Run to run cag, Jet collar, instead Braden Head

6/19/82

KTD 3940: Tear Down. TFFH 40'. Dild to ---. Circ. ~~to ---~~ 1000 ft/but
RU Wellex, log. d; LTD = 3938'. TTH w/ Bit, ca c to con hole. RU and
Commence LDDP/DC @ 8:00 PM 6/18. Jet collar & install 8 5/8" x 4 1/2" casing head.
RU to run cog w/ Murray Casing Crews. Ran 98 jts (3929.93' - birds off)
new 4 1/2" 9.5# 8rd, J-55 casing as follows: Ran Halliburton slip
joint guide shoe (est 1.0'), 1 ea shoe jt 4 1/2" (12.30'), insert baffle plate
at collar, followed by 97 jts (3916.63') of casing. Ran 6 ea Howco
centralizers at joints picked by Co. Engr. HU ~~to pump~~ to pump, circ
15 min. RU Halliburton and commenced cementing @ 4:15 a.m. Mixed
and displaced 200 sk 50-50 Pozmix, 2% gal 18% NaCl w/ 3/4% CFR
and 1/4 #/sk Flocele behind 500 gal. mud flush. Est. IDR - 6.0 Bbl/min
w/ FRIp Rate 4.0 Bbl/min, TH disp 63.9 Bbl in 12 minutes. ~~FRIp~~
Final Pressure est 1000 psi. Rotated casing throughout cementing.
~~and plug down~~ Dropped plug, plug landed, stopped rotating;
bumped plug w/ 1350 psi and held. Plug down 5:15 am 6/19/82.
Est. good returns throughout job. Left 12.0' cement in
pipe. PBTD = 3926' KB. Jet pits, jet cellar, set slips w/ est. 30,000 ps
Commenced rigging down at 6:00 am 6/19/82.

Thanks for using KANDRILCO &

C/Monahan