

ORIGINAL

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

Operator: License # 30080
Name: Honey Oil Co., Inc.
Address 401 East Douglas - Suite 505
City/State/Zip Wichita, KS 67202
Purchaser: _____
Operator Contact Person: L.V. Bell
Phone (316) 265-7300
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Joe Baker
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
01-14-93 01-21-93
Spud Date Date Reached TD Completion Date

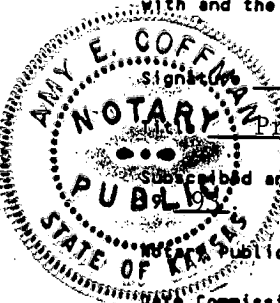
API NO. 15- 135-23,728-0000
County Ness
SE SW NE _____ Sec. 18 Twp. 18 Rge. 26 E
2970 Feet from N (circle one) Line of Section
1650 Feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Herl Well # 2
Field Name _____
Producing Formation _____
Elevation: Ground 2635 KB 2649
Total Depth 4616 PBTD _____
Amount of Surface Pipe Set and Cemented at 212 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan odd 4-8-93
(Data must be collected from the Reserve Pit)
Chloride content 23 ppm Fluid volume 600 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name NA
Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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



L.V. Bell
President Date 03/24/93
Subscribed and sworn to before me this 24 day of March
Amy E. Coffman
Notary Public
Date Commission Expires 06/28/94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC
 KGS
RECEIVED
STATE CORPORATION COMMISSION
NGPA
Other
(Specify)
MAR 30 1993

JAN 21 1960

SIDE TWO

Operator Name Honey Oil Co., Inc.

Lease Name Herl

Well # 2

East

County Ness

Sec. 18 Twp. 18 Rge. 26

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	2012 (+631)	
Heebner	3938 (-1295)	
Lansing	3974 (-1331)	
BKC	4311 (-1668)	
Ft. Scott	4492 (-1849)	
Cher. Shale	4516 (-1873)	
Mississippian	4599 (-1956)	

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	20#	212'	60/40 poz	140	2% gel 3% cc.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours DRY Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____



ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 1/20/93	TICKET	: 18954
CUSTOMER	: HONEY OIL COMPANY, INC.	LEASE	: HERL
WELL	: 2	TEST:	1
ELEVATION:		GEOLOGIST:	JOE BAKER
SECTION	: 18	FORMATION:	MISSISSIPPI
RANGE	: 26W	TOWNSHIP	: 18S
GAUGE SN#:	3659	STATE	: KS
		CLOCK	: 12
	COUNTY: NESS		
	RANGE : 4000		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4574.00 ft	TO:	4600.00 ft	TVD:	4600.
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4592.0 ft		4595.0 ft		
TEMPERATURE:	122.0				
DRILL COLLAR LENGTH:	120.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	180.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	4254.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	26.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4569.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4574.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE DRLG RIG 4	VISCOSITY :	50.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	10.000 ppg	SERIAL NUMBER:	
CHLORIDES :	3600 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, DIED IN 7 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECEIVED
STATE CORPORATION COMMISSION

MAR 30 1993

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	2.0	3.0	0.0	95.0	SLY OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0009	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0079	SCF	AVERAGE OIL RATE:	1.0945	STB/D
MUD VOLUME:	0.0447	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0456	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2376.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	30.00		71.00
FINAL FLOW	30.00	71.00	71.00
FINAL SHUT-IN	30.00		71.00

FINAL HYDROSTATIC PRESSURE: 2315.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2419.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	77.00	77.00
INITIAL SHUT-IN	30.00		77.00
FINAL FLOW	30.00	77.00	77.00
FINAL SHUT-IN	30.00		77.00

FINAL HYDROSTATIC PRESSURE: 2240.00

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STATE CORPORATION COMMISSION
MAR 30 1993
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 1/21/93	TICKET	: 18956
CUSTOMER	: HONEY OIL COMPANY, INC.	LEASE	: HERL
WELL	: 2	TEST	: 3
ELEVATION	:	GEOLOGIST	: JOE BAKER
SECTION	: 18	FORMATION	: MISSISSIPPI
RANGE	: 26W	TOWNSHIP	: 18S
GAUGE SN#	: 3659	STATE	: KS
		CLOCK	: 12
		COUNTY	: NESS
		RANGE	: 4000

WELL INFORMATION

PERFORATION INTERVAL FROM:	4574.00 ft	TO:	4608.00 ft	TVD:	4608.0
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4600.0 ft		4603.0 ft		
TEMPERATURE:	127.0				
DRILL COLLAR LENGTH:	120.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH:	180.0 ft	I.D.:	2.700 in		
DRILL PIPE LENGTH:	4254.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH:	20.0 ft	TOOL SIZE:	5.500 in		
ANCHOR LENGTH:	34.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE:	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE:	7.875 in	TOOL JOINT SIZE:	4.5XH		
PACKER DEPTH:	4569.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	4574.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON.:	DUKE DRLG RIG 4	VISCOSITY:	47.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT:	9.800 ppg	SERIAL NUMBER:	
CHLORIDES:	3600 ppm	REVERSED OUT?:	NO
JARS-MAKE:			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT, 3/4 INCH TO A 1/4 INCH BLOW. FINAL FLOW PERIOD NO BLOW.

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STATE CORPORATION COMMISSION
MAR 30 1993
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	1.0	0.0	20.0	79.0	SLY OIL CUT WATERY MUD

RATE INFORMATION

OIL VOLUME:	0.0028 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.2149 STB/D
MUD VOLUME:	0.2228 STB	AVERAGE WATER RATE:	4.2984 STB/D
WATER VOLUME:	0.0564 STB		
TOTAL FLUID :	0.2821 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2396.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	81.00	81.00
INITIAL SHUT-IN	60.00		918.00
FINAL FLOW	30.00	102.00	102.00
FINAL SHUT-IN	30.00		679.00

FINAL HYDROSTATIC PRESSURE: 2336.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2414.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	92.00	92.00
INITIAL SHUT-IN	60.00		923.00
FINAL FLOW	30.00	112.00	112.00
FINAL SHUT-IN	30.00		698.00

FINAL HYDROSTATIC PRESSURE: 2315.00

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 MAR 30 1993
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 1/20/93	TICKET	: 18955
CUSTOMER	: HONEY OIL COMPANY, INC.	LEASE	: HERL
WELL	: 2	TEST: 2	GEOLOGIST: JOE BAKER
ELEVATION:		FORMATION:	MISSISSIPPI
SECTION	: 18	TOWNSHIP	: 18S
RANGE	: 26W	COUNTY:	NESS
GAUGE SN#:	3659	STATE	: KS
		RANGE	: 4000
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4601.00 ft	TO:	4608.00 ft	TVD:	4608.
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4588.0 ft		4603.0 ft		
TEMPERATURE:	126.0				
DRILL COLLAR LENGTH:	120.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	180.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	4276.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	7.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4596.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4601.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE DRLG RIG 4	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	9.800 ppg	SERIAL NUMBER:	
CHLORIDES :	3600 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, BUILDING TO A FAIR BLOW, 1 INCH TO A 4 INCH BLOW.
PACKERS HELD WHEN TOOL SET, THEN APPROX. 7 MIN.

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MAR 30 1993

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INTO FLOW, PACKER FAILED. RESET TWICE. MIS RUN.

FLUID RECOVERY

ft	Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
	360.0	0.0	0.0	0.0	100.0	MUD
	60.0	0.0	0.0	20.0	80.0	WATERY MUD
	0.0	0.0	0.0	0.0	0.0	CHLORIDES 18000 P.P.M.

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	20.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	3.4655	STB	AVERAGE WATER RATE:	20.3099	STB/D
WATER VOLUME:	0.0564	STB			
TOTAL FLUID :	3.5219	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2373.00

Description	Duration	pl	p End
INITIAL FLOW	20.00	81.00	81.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2333.00

RECEIVED
 STATE CORPORATION COMMISSION
 MAR 30 1993
 CONSERVATION DIVISION
 Wichita, Kansas

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1391

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-14-93	18	18S	26W	9:00	Noon	1:20	2:30
Lease	Well No.	Location		County	State		
Herl	2	Beeler 2W 1/4 NW 1 & 2		Ness	Ks.		
Contractor				Owner			
Duke 4				Same			
Type Job				To Allied Cementing Co., Inc.			
Surface				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
12 1/4		216		Honey Oil Co. Inc.			
Csg.		Depth		Street			
8 3/4		212		City			
Tbg. Size		Depth		State			
				The above was done to satisfaction and supervision of owner agent or contractor.			
Drill Pipe		Depth		Purchase Order No.			
				Jay D. Schneider			
Tool		Depth		CEMENT			
				Amount Ordered			
Cement Left in Csg.		Shoe Joint		140 60% 2 1/2 Gal 49% CC			
15'				Consisting of			
Press Max.		Minimum		Common			
1200				Poz. Mix			
Meas Line		Displace		Gel.			
no		12.8661		Chloride			
Perf.				Quickset			
				Sales Tax			

EQUIPMENT

No.	Cementer	
158	Helper	Gary Keith
No.	Cementer	
	Helper	
	Driver	Bill
Bulktrk	Driver	
116		

DEPTH of Job

Reference:		
	Pump Truck	
	Mileage	
	8 1/2" T.W.P	
	Sub Total	
	Tax	
	Total	

Remarks: Cement did not circulate 1" w/ 40 sk. @ 25'

Thank you
 J. L. Jones

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

RECEIVED
 CONSERVATION COMMISSION
 STATE OF KANSAS
 MAR 30 1993
 CONSERVATION DIVISION
 Wichita, Kansas

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

2754

Home Office P. O. Box 31

Russell, Kansas 67665

Nsw

Date	1-21-93	Sec.	18	Twp.	18	Range	26	Called Out	12:00 PM	On Location	2:30 PM	Job Start	4:00 PM	Finish	5:30 PM
Lease	Herl	Well No.	#2	Location				Baker 2nd 2N 4E		County	Ness	State	Ks		
Contractor	Duke Drilling Rig #4														
Type Job	Rotary Plug														
Hole Size	7 3/4	T.D.	4616 ft												
Csg.															
Tbg. Size															
Drill Pipe	4 1/2	Depth	2640 ft												
Tool															
Cement Left in Csg.															
Press Max.															
Meas Line															
Perf.															

EQUIPMENT

Ness

Pumptrk	No.	Cementer	<i>Mike m</i>
	120	Helper	<i>Dunne</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	69	Driver	<i>Yoney</i>
		Driver	

DEPTH of Job	<i>2010 ft</i>	
Reference:	<i>Pump Truck charges</i>	
	<i>Milans charges</i>	
	<i>9 3/4" Old Hole plug</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *Mixed*

50 lb at 2040 ft

50 lb at 1700 ft

40 lb at 600 ft

40 lb at 240 ft

10 lb at 40 ft

15 lb at 100 ft

Allied Cementing Co. Inc

Mike Munch

Thank you

969

Owner	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.	
Charge To	<i>Honeywell Comp. Inc</i>	
Street		
City		
State		
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.		
X	<i>J. Schneider</i>	
	CEMENT <i>Thank you</i>	
Amount Ordered	<i>235 60/100 6 1/2 gal 1/4 flow seal p. 50</i>	
Consisting of		
Common		
Poz. Mix		
Gel.		
Chloride		
Quickset		
Sales Tax		
Handling		
Mileage		
Sub Total		
Total		
Floating Equipment		

API Well No.	State	County	Well

Date 1-20 19 97	Depth 4600
Spud Date 1-14	Present Activity DST #1

Operator **HONEY OIL**
Report for **JOE BAKER**

Contractor **DUKE ORL6**
Report For **JAY SCHNEIDER**
Rig No. **4**
Section Township Range **18-18S-26W**

Well Name and No. **HEAL #2**
Field or Block No. _____
County, Parish or Offshore Area **NESS**
State **KY**

Drilling Assembly			Casing	Mud Volume (BBL)		Circulation Data		
Bit Size 2 7/8	Type 51 PF	Jet Size 3/4	Surface @ 212 Ft.	Hole 312	Pits 300	Pump Size 6	Annular Vel (Ft/Min) 14	Annular Vel (Ft/Min) DP 168 DC 305
Drill Pipe Size 4 1/2	Type XH	Length	Intermediate @ _____ Ft.	Total Circulating Volume 612		Pump Make/Model	Assumed Eff. %	Circulation Pressure (PSI) 900
Drill Pipe Size	Type	Length	Intermediate @ _____ Ft.	In Storage	Weight	Bbl/Stk 152	Sk/Min 56	Bottoms Up (Min) 46
Drill Collar Size 6 1/4	Type	Length 594'	Production or Liner @ _____ Ft.	Mud Type CHEN		Bbl/Min 6.8	Gal/Min 286	Total Circ Time (Min) 905

Sample From	Mud Properties				Mud Property Specifications		
	<input checked="" type="checkbox"/> F.L.	<input type="checkbox"/> Pit	<input type="checkbox"/> F.L.	<input type="checkbox"/> Pit	Weight	Viscosity	Filtrate
Time Sample Taken	1:00 PM				9.2-9.8	45-48	10-12
Flowline Temperature °F					Recommended Jour. Treatment		
Depth (ft) TVD <input checked="" type="checkbox"/> MD <input type="checkbox"/>	4600				(1) DAILY - 1 CAUSTIC		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft) <input type="checkbox"/> SpG	9.8				(2) GEL FOR 45-48 UDS		
Funnel Viscosity (sec/qt) API @ °F	47				(3) WATER TO CONTROL WT.		
Plastic Viscosity cp @ °F	18				(4) LCM AS NEEDED		
Yield Point (lb/100 cu ft)	16				(5) KEEP HOLE FULL		
Gel Strength (lb/100 ft ²) 10 sec/10 min.	264						
Filtrate API (cm ³ /30 min.)	9.2						
API HTHP Filtrate (cm ³ /30 min.) °F							
Cake Thickness (32nd in API/HTHP)	2/32						
Solids Content (% by Vol) <input checked="" type="checkbox"/> calculated <input type="checkbox"/> retort	89.8 10.2						
Liquid Content (% by Vol) Oil/Water	89.8						
Sand Content (% by Vol)	IR						
Methylene Blue Capacity <input type="checkbox"/> lb/bbl equiv. <input type="checkbox"/> cm ³ /cm ³ mud							
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter @ °F	10.0						
Alkalinity Mud (PM) cm ³ N/50 Acid							
Alkalinity Filtrate (P/M) cm ³ cm ³ N/50 Acid							
Chloride (mg/L)	3600						
Total Hardness as Calcium (mg/L)	80						
2 cm #188L	0						

DST #1 - 4600

DAILY COST	CUMULATIVE COST
PROD - 377.85	PROD - 3110.83
IRK - 0	IRK - 790.64
	IRK - 3601.47

Product Inventory	GEL	HUUS	SA	LS	LJ6	DR31PL	LJME											
Starting Inventory	109	25	5	36	17	10	5											
Received																		
Used Last 24 Hr.	29			4	3													
Closing Inventory	80	25	5	32	14	10	5											
Cost Last 24 Hr.																		

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CONSERVATION DIVISION
Wichita, Kansas

Engineer **DUSSY RHOADEJ** Phone: **913-743-5419** For Mud, Call: **913-462-6114**

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API Well No.	State	County	Well	S/T

Date	1-19 1993	Depth	4450
Spud Date	1-14	Present Activity	ORLB

Operator: **HONEY OIL**
Report for: **JOE BAKER**

Contractor: **DUKE ORLB** Rig No. **4**
Report For: **JAY SCHNEIDER** Section Township Range **18-18S-26W**

Well Name and No. **HERL #2** Field or Block No. _____ County, Parish or Offshore Area **NESS** State **KY**

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data			
Bit Size	Type	Jet Size	Surface	Hole	Pits	Pump Size	Annular Vel (Ft/Min)	DP	DC	OC
77/8	S1AF	3/4	212	303	300	6	16	168		305
Drill Pipe Size	Type	Length	Intermediate	Total Circulating Volume	Pump Make, Model	Assumed Eff. %	Circulation Pressure (PSI)			
4 1/2	KH		@	603			900			
Drill Pipe Size	Type	Length	Intermediate	In Storage	Weight	Bbl/Stk	Stk/Min	Bottoms Up (Min)		
			@			.152	36	45L		
Drill Collar Size	Type	Length	Production or Liner	Mud Type	Bbl/Min	Gal/Min	Total Circ Time (Min)			
6 1/4		594	@	CHEM	6.8	286	89L			

Mud Properties	
Sample From	<input checked="" type="checkbox"/> FL <input type="checkbox"/> Pit <input type="checkbox"/> FL <input type="checkbox"/> Pit
Time Sample Taken	1:20 PM
Flowline Temperature °F	
Depth (ft) TVD <input checked="" type="checkbox"/> MD <input type="checkbox"/>	4450
Weight (ppg) <input checked="" type="checkbox"/> (lb/cu ft) <input type="checkbox"/> SpG	9.8+
Funnel Viscosity (sec/qt) API @ °F	42
Plastic Viscosity cp @ °F	16
Yield Point (lb/100 cu ft)	12
Gel Strength (lb/100 ft ²) 10 sec/10 min.	8/10
Filtrate API (cm ³ /30 min.)	10.4
API HTHP Filtrate (cm ³ /30 min.) °F	
Cake Thickness (32nd in API/HTHP)	2/32
Solids Content (% by Vol) <input checked="" type="checkbox"/> calculated <input type="checkbox"/> retort	10.2
Liquid Content (% by Vol) Oil/Water	89.8
Sand Content (% by Vol)	IR
Methylene Blue Capacity <input type="checkbox"/> lb/bbl equiv. <input type="checkbox"/> cm ³ /cm ³ mud	
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter @ °F	9.5
Alkalinity Mud (PM) cm ³ N/50 Acid	
Alkalinity Filtrate (P/M) cm ³ cm ³ N/50 Acid	
Chloride (mg/L)	3600
Total Hardness as Calcium (mg/L)	80
	LCM #1 BBL IR

Mud Property Specifications					
Weight	9.2-9.8	Viscosity	45-48	Filtrate	10-12
Recommended Tour Treatment					
1) TOURLY - 1/2 CASING, 1/2 LOG					
2) GEL FOR 45-48, AST OR LOG					
3) WATER TO CONTROL W.					
4) LCM AS NEEDED					
5) KEEP HOLE FULL					

DAILY COST	CUMULATIVE COST
\$313.64	PROD - 2732.98
	MDH - 490.64
	MDMI - 3223.62

Product Inventory	GEL	MULLS	SA	CS	L36	ORNDORF	LDME													
Starting Inventory	139	30	6	37	18	10	5													
Received																				
Used Last 24 Hr.	30	5	1	1	1															
Closing Inventory	109	25	5	36	17	10	5													
Cost Last 24 Hr.																				

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Engineer: **DUSTY RHODES** Phone: **913-243-5419** For Mud Call: **913-462-6114**

API Well No. _____ State _____ County _____ Well **ORIGINA** S/T _____

Date **1-18** 19**93** Depth **4035**
 Spud Date **1-14** Present Activity **ORLB**

Operator **HONEY OIL**

Contractor **DUKE ORLB** Rig No. **4**

Report for **JOE BAKER**

Report For **JAY SCHNEIDER** Section Township Range **18-18S-26W**

Well Name and No. **HERL #2**

Field or Block No. _____ County, Parish or Offshore Area **NESS** State **KS**

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data			
Bit Size 7/8	Type 51 PF	Jet Size 3/16	8 5/8	Surface @ 212 Ft.	Hole 278	Pits 300	Pump Size 6	14	Annular Vel (Ft/Min) DP/68 DC 305	
Drill Pipe Size 4 1/2	Type _____	Length _____	Intermediate @ _____	Ft. _____	Total Circulating Volume 578		Pump Make, Model _____	Assumed Eff. % _____	Circulation Pressure (PSI) 850	
Drill Pipe Size _____	Type _____	Length _____	Intermediate @ _____	Ft. _____	In Storage _____	Weight _____	Bbl/Sk .152	Sk/Min 56	Bottoms Up (Min) 412	
Drill Collar Size 6 7/8	Type _____	Length 594	Production or Liner @ _____	Ft. _____	Mud Type CHEM		Bbl/Min 6.8	Gal/Min 286	Total Circ Time (Min) 852	

		Mud Properties	
Sample From		<input checked="" type="checkbox"/> F.L.	<input type="checkbox"/> Pit
Time Sample Taken	9:15 AM		
Flowline Temperature °F			
Depth (ft) TVD <input checked="" type="checkbox"/> MD <input type="checkbox"/>	4035		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft) <input type="checkbox"/> SpG	9.4		
Funnel Viscosity (sec/qt) API @ _____ °F	39		
Plastic Viscosity cp @ _____ °F	12		
Yield Point (lb/100 cu ft ²)	8		
Gel Strength (lb/100 ft ²) 10 sec/10 min.	6/12		
Filtrate API (cm ³ /30 min.)	10.4		
API HTHP Filtrate (cm ³ /30 min.) °F			
Cake Thickness (32nd in API/HTHP)	1/32		
Solids Content (% by Vol) <input checked="" type="checkbox"/> calculated <input type="checkbox"/> retort	7.5		
Liquid Content (% by Vol) Oil/Water	92.5		
Sand Content (% by Vol)	IR		
Methylene Blue Capacity <input type="checkbox"/> lb/bbl equiv. <input type="checkbox"/> cm ³ /cm ³ mud			
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter @ _____ °F	10.0		
Alkalinity Mud (PM) cm ³ N/50 Acid			
Alkalinity Filtrate (P/M) cm ³ cm ³ N/50 Acid			
Chloride (mg/L)	3600		
Total Hardness as Calcium (mg/L)	80		
LCM #1981	IR		

Mud Property Specifications		
Weight 9.2-9.5	Viscosity 45-48 B_s 4300	Filtrate 10-12
Recommended Tour Treatment		
(1) TOUR 4 - 1/2 CAUSTIC, 1/2 L36		
(2) GEL FOR 40 WS TO DRILL 45-48 B_s 4300		
(3) WATER TO CONTROL WT.		
(4) LCM AS NEEDED		
(5) KEEP HOLE FULL		

DAILY COST	CUMULATIVE COST
\$ 52.51	2419.34
	MA 490.64
	IDML-2909.98

Product Inventory	GEL	HVLS	SA	CS	L36	DRYSPAL	LCM												
Starting Inventory	139	30	6	38	19	10	5												
Received																			
Used Last 24 Hr.				1	1														
Closing Inventory	139	30	6	37	18	10	5												
Cost Last 24 Hr.																			

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Engineer **DUSTY RHOADES** Phone: **913-243-5419** For Mud, Call: **913-462-6114**

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API Well No.	State	County	Well	S/T	Date	1-17 19 93	Depth	3500	
	15	135	10481		Spud Date	1-14	Present Activity	DR26	
Operator	HONEY OIL				Contractor	DUNE DRUG		Rig No.	4
Report for	JOE BAKER				Report For	JAY SCHNEIDER		Section Township Range	18-185-26W
Well Name and No.	HERL #2				Field or Block No.	County, Parish or Offshore Area		State	KS

Drilling Assembly			Casing	Mud Volume (BBL)		Circulation Data		
Bit Size	Type	Jet Size	Surface @	Hot	Pits	Pump Size	In	Annular Vol (Ft/Min) DP
7 7/8	51 PF	9/16	212 Ft	245	300	6	14	305
Drill Pipe Size	Type	Length	Intermediate @	Total Circulating Volume		Pump Make, Model	Assumed Eff. %	Circulation Pressure (PSI)
4 1/2				545				850
Drill Pipe Size	Type	Length	Intermediate @	In Storage	Weight	Bbl/Stk	Stk/Min	Bottoms Up (Min)
						152	56	36
Drill Collar Size	Type	Length	Production or Liner @	Mud Type		Bbl/Min	Gal/Min	Total Circ Time (Min)
6 1/4		594		CHEM		6.8	286	80

Mud Properties			Mud Property Specifications		
Sample From	<input checked="" type="checkbox"/> F.L. <input type="checkbox"/> Pit	<input type="checkbox"/> F.L. <input type="checkbox"/> Pit	Weight	Viscosity	Filtrate
Time Sample Taken	10:45 AM		8.9-9.4	DR26 - 38-42 DST - 45	10-12
Flowline Temperature °F			Recommended Tour Treatment		
Depth (ft) TVD <input checked="" type="checkbox"/> MD <input type="checkbox"/>	3500		(1) TOUR 1/2 CAUSTIC, 1/2 L36 (CHEMICAL BARREL)		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft) <input type="checkbox"/> SpG	8.7		(2) GEL FOR 38-42 UDS TO DR26 45-48 DST BY 4300		
Funnel Viscosity (sec/qt) API @ °F	38		(3) LCM AS NEEDED		
Plastic Viscosity cp @ °F	6		(4) WATER TO CONTROL WT.		
Yield Point (lb/100 cu ft)	4		(5) KEEP HOLE FULL		
Gel Strength (lb/100 ft ²) 10 sec/10 min.	2/4		DISPLACED 3480-3500		
Filtrate API (cm ³ /30 min.)	10.2				
API HTHP Filtrate (cm ³ /30 min.) °F			DAILY COST		
Cake Thickness (32nd in API/HTHP)	1/32		PROD - 2000.01		
Solids Content (% by Vol) <input checked="" type="checkbox"/> calculated <input type="checkbox"/> retort	2.5		CUMULATIVE COST		
Liquid Content (% by Vol) Oil/Water	97.5		PROD - 2366.83		
Sand Content (% by Vol)	-		TRH - 490.64		
Methylene Blue Capacity <input type="checkbox"/> lb/bbl equiv. <input type="checkbox"/> cm ³ /cm ³ mud			TOTAL - 2857.47		
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter @ °F	11.5				
Alkalinity Mud (PM) cm ³ N/50 Acid					
Alkalinity Filtrate (P/M) cm ³ cm ³ N/50 Acid					
Chloride (mg/L)	2800				
Total Hardness as Calcium (mg/L)	60				
LCM #1/BBL					

Product Inventory	GEL	HYLUS	SA	CS	L36	DR26/PAL	LSME										
Starting Inventory	110	46	10	15	15	2											
Received	216		3	30	18	4	3										
Used Last 24 Hr.	187	16	7	7	14												
Closing Inventory	139	30	6	38	19	10	5										
Cost Last 24 Hr.																	

Engineer **DUSTY RHODES** Phone: **913-743-5419** For Mud, Call: **913-688-3000**

API Well No.	State	County	Well	S/T

Date	1-14 1993	Depth	216
Spud Date	1-14-93	Present Activity	Dr's Surface

Operator Honey Oil

Contractor Duke Rig No. 4

Report for Joe Baker

Report for Jay Schneider Section Township Range 18 18 26

Well Name and No. Herl # 2

Field or Block No. County, Parish or Offshore Area Ness State KS

Drilling Assembly			Casing	Mud Volume (BBL)		Circulation Data		
Bit Size <u>7/8</u>	Type	Jet Size	<u>8 5/8 @ 217</u> Ft.	Hole	Pits	Pump Size <u>6 x 14</u> In.	Annular Vel (Ft/Min) DP <u>168</u>	DC <u>305</u>
Drill Pipe Size	Type	Length	Intermediate @ Ft.	Total Circulating Volume		Pump Make, Model	Assumed Eff %	Circulation Pressure (PSI)
Drill Pipe Size <u>4 1/2</u>	Type	Length	Intermediate @ Ft.	In Storage	Weight	Bbl/Stk <u>1152</u>	Stk/Min <u>56</u>	Bottoms Up (Min)
Drill Collar Size <u>6 1/2</u>	Type	Length	Production or Liner @ Ft.	Mud Type		Bbl/Min <u>6.8</u>	Gal/Min <u>286</u>	Total Circ Time (Min)

Mud Properties				Mud Property Specifications			
Sample From	<input type="checkbox"/> F.L.	<input type="checkbox"/> Pit	<input type="checkbox"/> F.L.	<input type="checkbox"/> Pit	Weight	Viscosity	Filtrate
Time Sample Taken	<u>12:10 PM</u>						
Flowline Temperature °F							
Depth (ft)	TVD <input type="checkbox"/>	MD <input checked="" type="checkbox"/>	<u>216</u>				
Weight	<input type="checkbox"/> (ppg)	<input type="checkbox"/> (lb/cu ft)	<input type="checkbox"/> SpG				
Funnel Viscosity (sec/qt) API @ °F							
Plastic Viscosity cp @ °F							
Yield Point (lb/100 cu ft)							
Gel Strength (lb/100 ft ²) 10 sec/10 min.							
Filtrate API (cm ³ /30 min.)							
API HTHP Filtrate (cm ³ /30 min.) °F							
Cake Thickness (32nd in API/HTHP)							
Slids Content (% by Vol) <input type="checkbox"/> calculated <input type="checkbox"/> retort							
Liquid Content (% by Vol) Oil/Water							
Sand Content (% by Vol)							
Methylene Blue Capacity <input type="checkbox"/> lb/bbl equiv. <input type="checkbox"/> cm ³ /cm ³ mud							
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter @ °F							
Alkalinity Mud (PM) cm ³ N/50 Acid							
Alkalinity Filtrate (P _i /M _i) cm ³ cm ³ N/50 Acid							
Chloride (mg/L)							
Total Hardness as Calcium (mg/L)							

Recommended Tour Treatment

80 bbls water
1/2 Sodo Ash for tight connections
20-25 Gel

Drill out w/ water & jet often

80 bbls water
1 Caustic
1 Sodo Ash
20 Gel

Fill Froc & Premix by 3500-3600

Displace approx 3500-3600

Possible lost circulation 2800-3200 + 3600 - watch pits!

DAILY COST	CUMULATIVE COST
366.82	366.82

Product Inventory	Geel	Lign	SA	Par	Halls	Line				
Starting Inventory	MO	15	15	10	6	64	4			
Received										
Used Last 24 Hr.	30				18	2				
Closing Inventory	110	15	15	10	6	46	2			
Cost Last 24 Hr.										

Engineer Rick Hughes Phone: 316-792-5425 For Mud, Call: 316-793-8417

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