

Computer Inventoried

james r. craig
PETROLEUM CONSULTANT

ORIGINAL

GEOLOGICAL REPORT

K C C

API #15-191-22248

MAR 01 1996

OPERATOR:

McNeish Oil Operations
528 St Bk Bldg
P. O. Box 734
Winfield, Kansas 67156

WELL:

Franklin # 1
API # 15-191-22248

LOCATION:

1700' FSL & 4430' FEL
Sec 6 T 33s R 2e
Sumner County, Kansas

CONTRACTOR:

Glaves Drilling Co.
Douglas, Kansas

DATE SPUD:

November 3, 1994

DATE COMPLETE:

November 11, 1994

SURFACE CASING:

260 ft. 8/5/8" @ 260' cemented
with 150 Sacks

PRODUCTION CASING:

None

ZONES DST:

Mississippi "Chat"

ELECTRIC LOGS:

WIRE-TECH Dual Induction &
Compensated Density Neutron

STATUS:

Dry & Abandoned
RTD 3500'

ORIGINAL

November 16, 1994

McNeish Oil Operations
528 St Bk Bldg
P. O. Box 734
Winfield, Kansas 67156

K C C

MAR 01 1995

RE: Franklin # 1
1700'FSL & 4430'FEL
Sec 6 T 33s R 2e
Sumner County, Kansas
API #15-191-22248

Dear Sirs:

The above captioned well was under my Geological supervision from a depth of 2800' to a total depth of 3500'. Drilling time and samples were saved and examined with microscope and black light for shows of hydrocarbons from 2300' to RTD.

A small show of oil was observed in the Mississippi "Chat" section, however this zone was proved non-productive by DST. The subject well was plugged on November 11, 1994.

FORMATION TOPS
KELLY BUSHING MEASUREMENTS
E-LOG

	DEPTH	SUB-SEA	DM
WINFIELD LS.	320	+ 826	+3
TOPEKA LS.	1668	- 522	-1
HEEBNER SH.	2092	- 946	-10
IATAN LS.	2388	- 1241	-2
STALNAKER SD.	2435	-1289	-2
LIGNITE SH.	2810	-1664	-7
LAYTON SD.	2855	-1709	-10
KANSAS CITY LS.	2874	-1728	-8
MARMATON LS.	3149	-2002	-5
CHEROKEE SH.	3286	-2140	-8
MISSISSIPPIAN	3417	-2271	-22

K C C

MAR 01 1996

STRUCTURAL COMPARSION

	McNeish Franklin	Dawson Markwell Franklin	Gialapp Knowlton
WINFIELD	+ 826	+ 823	+ 822
HEEBNER	- 946	- 939	- 946
IATAN	-1241	-1239	-1242
LIGNITE	-1664	-1657	-1656
LAYTON SD	-1709	-1699	-1706
KANSAS CITY	-1728	-1720	-1726
MARMATON	-2003	-1997	-1996
CHEROKEE	-2140	-2132	-2136
MISSISSIPPIAN	-2271	-2249	-2259
1st CHAT POR.	-2282	-2253	-2259
2nd CHAT POR.	-2295	-2289	-2286
BASE MISS CHAT	-2308	-2321	-2306

INTERVALS

WINF/HEEB	1772	1762	1768
WINF/CK	2966	2955	2958
HEEB/MARM	1057	1058	1050
HEEB/CK	1194	1193	1190
CK/MISS	131	117	127

SAMPLE DESCRIPTIONS**ZONES OF INTEREST**

Layton sand 2855 2870

Sandstone, white, fine to medium grained, angular,
micaceous, friable. NO SHOW

Kansas City 2930 2946

Limestone, tan to white, some crystalline, slightly shaley,
some porosity. NO SHOW

KC sand 2960 2980

Sandstone, white, gray, fine grained, friable. NO SHOW

Mississippi Chat porosity 3428 3433

Chat, white, tan, gray, sharp, mostly fresh with some vuggy porosity in weathered pieces. 10% fluorescence. slight odor, trace free oil. Good greenish blue cut.

Lower Miss Chat porosity 3441 3453

Chat, tan to bone white, fresh to weathered, some tripolitic, NO CUT

DST # 1 (Western Testing Co.) 3408-3450, Mississippian. IF. Weak blow throughout, (1"-2") FF: Weak blow throughout, (2"-2 1/2") recovered 90' of watery mud (40% water 60% mud), 120' muddy water (85% water 15% mud) with a show of oil throughout. IF 52#/30", ICIP 1060#/60", FF 93#/60" FCIP 894#/60"

DAILY DRILLING PROGRESS

11-3-94	Move in, rig up	15'
11-4-94	Set 260' 8 5/8 surface with 150 sacks	260'
11-5-94	Drilling	918'
11-6-94	Drilling	1795'
11-7-94	Drilling	2508'
11-8-94	Drilling	2885'
11-9-94	Drilling	3243'
11-10-94	Drilling	3450'
11-11-94	DST # 1, logging & plugging	3500'

MUD CHECKS

Date	Depth	Wt.	Vis.	Fil.	Chlorides
11-4-1994	217'				
11-6-1994	1478	8.8			
11-7-1994	2157	8.7			
11-8-1994	2787	9.5+	36	13.6	3200
11-9-1994	3053	9.8	35	12.8	2600
11-10-1994	3430	9.7	39	9.6	1700
11-11-1994	3500	9.7	44	10.4	1900

The # 1 Franklin was plugged & abandoned at a total depth of 3500'.

JAMES R. CRAIG



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 20657

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation N/A Formation M157 Eff. Pay Ft.

District GREAT Bend Date 11-10-94 Customer Order No.

COMPANY NAME McNeish Oil Operations

ADDRESS P.O. Box 734, 528 ST. Bank Bldg Winfield, KS 67156

LEASE AND WELL NO. Franklin #1 COUNTY Sumner STATE KS Sec. 6 Twp. 33 Rge. 2

Mail Invoice To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Co. Name Address No. Copies Requested 1

Formation Test No. 1 Interval Tested From 3408 ft. to 3450 ft. Total Depth 3450 ft.

Packer Depth 3403 ft. Size 6 7/8 in. Packer Depth ft. Size in.

Packer Depth 3408 ft. Size 6 7/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3411 Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3418 Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth Recorder Number Cap.

Drilling Contractor GLAUC'S DRILLING Drill Collar Length 240 I. D. 2.2 in.

Mud Type Chemical Viscosity 39 Weight Pipe Length I. D. in.

Weight 9.7 Water Loss 9.6 Drill Pipe Length 3148 I. D. 3.8 in.

Chlorides 1700 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 42 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

FF - WPAK Blow Throughout 1" to 2" Blow

FF - WPAK Blow Throughout 2" to 2 1/2" Blow

Recovered 90 ft. of WATERY Mud 40% WATER 60% Mud

Recovered 120 ft. of Muddy WATER 85% WATER 15% Mud

Recovered ft. of w/ show of oil throughout

Recovered ft. of

Recovered ft. of

Chlorides 31,000 P.P.M. Sample Jars used 3 Remarks

Time On Location 11:00 A.M. Time Pick Up Tool 5:40 P.M. Time Off Location A.M.

Time Set Packer(s) 7:35 P.M. Time Started Off Bottom 11:05 A.M. Maximum Temperature 117

Initial Hydrostatic Pressure (A) 1255 P.S.I.

Initial Flow Period (B) 32 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period (D) 1060 P.S.I.

Final Flow Period (E) 93 P.S.I. to (F) 124 P.S.I.

Final Closed In Period (G) 894 P.S.I.

Final Hydrostatic Pressure (H) 1734 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By James S. Brown
Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank

FIELD INVOICE

Open Hole Test ✓
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

DRILLING MUD REPORT

OPERATOR



FUD MUD, INC.

MAGCOBAR DISTRIBUTOR
EL DORADO, KS 67042 • PH. (316) 321-1397
WICHITA, KANSAS • PH. (316) 265-8907



DRILLING MUD REPORT NO. <u>4</u>	
DATE <u>11-8-94</u>	DEPTH <u>2261</u>
PRESENT ACTIVITY <u>Drilling</u>	
SPUD DATE <u>Self</u>	

OPERATOR <u>McNeish Oil Co</u>	CONTRACTOR <u>Claves</u>	RIG NO. <u>1</u>
REPORT FOR <u>Jim Craig</u>	REPORT FOR <u>Miller</u>	SECT, TWSHP, RANGE
WELL NAME AND NO. <u>Franklin #1</u>	FIELD OR BLOCK NO. <u>8</u>	CITY, PAR. OR OFFSHORE AREA <u>Sumner</u>
STATE / PROVINCE <u>KANSAS</u>		

DRILLING ASSEMBLY			CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
BITS	TYPE	JET SIZE	SURFACE	HOLE	PITS	PUMP SIZE	X	IN.	ANNULAR VEL. (FT/MIN)	
<u>2 1/2</u>			SET <u>2 1/2</u>	<u>40 1/8</u>	<u>300</u>	<u>6</u>		<u>14</u>	DP <u>245</u> DC	
DRILL PIPE	TYPE	LENGTH	INTERMEDIATE	TOTAL CIRCULATING VOL.		PUMP MAKE	MODEL	ASSUMED EFF.	CIRCULATION PRESSURE (PSI)	
<u>4 1/2</u>			SET @ <u>457</u> FT.	<u>457</u>		<u>300</u>		<u>80%</u>	<u>700</u>	
DRILL PIPE	TYPE	LENGTH	INTERMEDIATE	IN STORAGE WEIGHT		BBL/STK	STK/MIN	BOTTOMS UP (MIN)		
<u>4 1/2</u>			SET @ <u>18.3</u> FT.	<u>18.3</u>		<u>121</u>	<u>56</u>	<u>18-20 min</u>		
DRILL COLLAR SIZE	LENGTH		PRODUCTION OR LINER	MUD TYPE		BBL/MIN	GAL/MIN	TOTAL CIRC. TIME (MIN)		
			SET @			<u>2.0</u>	<u>284</u>	<u>65 min</u>		

MUD PROPERTIES			MUD PROPERTY SPECIFICATIONS		
SAMPLE FROM	☐ P.A. ☐ F.L. ☐ PIT	WEIGHT	VISCOSITY	FILTRATE	
TIME SAMPLE TAKEN	<u>11:12</u> <u>12:53</u>	<u>9.0-9.4</u>	<u>34-36</u>	<u>12-15</u>	
DEPTH (ft)	<u>2761</u> <u>2787</u>	BY AUTHORITY: ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTRACTOR			
WEIGHT ☒ (ppg) ☐ (lb/cu.ft) ☐ Sp. G	<u>9.4</u> <u>9.5+</u>	☐ OPERATOR'S REPRESENTATIVE ☐ OTHER			
FUNNEL VISCOSITY (sec./qt.) API @	<u>32</u> <u>36</u>	PRODUCTS		TREATMENT	
PLASTIC VISCOSITY cP @	<u>2</u> <u>6</u>			<u>Vis 42 46 sec</u>	
YIELD POINT (lb/100ft²)	<u>1</u> <u>3</u>			<u>DST on LOG</u>	
GEL STRENGTH (lb/100ft²) 10 sec./10 min.	<u>1/2</u> <u>2/5</u>	REMARKS:			
FILTRATE API (cm³/30 min.)	<u>24.0</u> <u>13.6</u>	<u>Treatment 1 x</u>		<u>for</u>	
API HTHP FILTRATE (cm³/30 min.) @	<u>-</u> <u>-</u>	<u>Crystall 1 x</u>		<u>treatment</u>	
CAKE THICKNESS (32nd In. API/HTHP)	<u>2/</u> <u>2/</u>	<u>Sol. Atk 1 x</u>			
SOLIDS CONTENT (% BY Vol.) ☒ SEALCD. ☐ RETORT	<u>8.3</u> <u>9.3</u>	<u>At 3200 ±</u>		<u>At 152 Drisp</u>	
LIQUID CONTENT (% BY Vol.) OIL/WATER	<u>-</u> <u>-</u>	<u>Add slowly to system</u>			
SAND CONTENT (% BY Vol.)	<u>2.3</u> <u>4.9</u>	<u>Get for Vis 42</u>			
METHYLENE BLUE CAPACITY ☐ lb/bbl equiv. ☐ cm³/cm³ mud	<u>-</u> <u>-</u>	<u>water to control weight</u>			
PH ☒ STRIP ☐ METER @	<u>9.5</u> <u>12.0</u>	<u>Vis 34-36 sec ppgm - I feel</u>			
ALKALINITY MUD (Pm)	<u>-</u> <u>-</u>	<u>wt. 9.0-9.4 ppg</u>			
ALKALINITY FILTRATE (P _f /M _f)	<u>1.21-</u> <u>1.91-</u>	<u>Hole Full on All TRIPS</u>			
ALTERNATE ALKALINITY FILTRATE (P _f /P ₂)	<u>-</u> <u>-</u>	<u>J.C.M. 1-3 #1B3)</u>			
CHLORIDE (mg/L)	<u>3200</u> <u>3200</u>	<u>Fin Box Miss. 6-10 #1B4)</u>			
TOTAL HARDNESS AS CALCIUM (mg/L)	<u>40</u> <u>0</u>				

Super Day four today Miss A
four treatment slowly

PRODUCT INVENTORY		EQUIPMENT	
STARTING INVENTORY	RECEIVED	HOURS	HOURS
<u>40</u> <u>3</u> <u>3</u>	<u>78.42</u> <u>170.52</u>	Centrifuge	Desilter
		Degasser	Shaker
		Desander	Other
		H. S. Cent.	
		Super Cyclone	
		-	
CLOSING INVENTORY		DAILY COST	
COST LAST 24 HR.		CUMULATIVE COST	
<u>462.94</u>		<u>980.90</u>	
FUD MUD ENGINEER <u>Frank</u>		HOME ADDRESS <u>El Dorado</u>	
MOBILE UNIT <u>322-0552</u>		WAREHOUSE LOCATION <u>El Dorado</u>	
		PHONE <u>321-1397</u>	

DRILLING MUD REPORT

OPERATOR



FUD MUD, INC.

MAGCOBAR DISTRIBUTOR
EL DORADO, KS 67042 • PH. (316) 321-1387
WICHITA, KANSAS • PH. (316) 265-8987



DRILLING MUD REPORT NO. 5

DATE 4/19/84

1984

DEPTH 3053

PRESENT ACTIVITY

SPUD DATE

DLS

RIG NO.

SECT., TWSHP., RANGE

OPERATOR M. Neil Oil Co

CONTRACTOR

REPORT FOR

REPORT FOR Jim Craig

WELL NAME AND NO.

Franklin #1

FIELD OR BLOCK NO.

El Dorado

CTRY, PAR, OR OFFSHORE AREA

Sumner

STATE / PROVINCE

KANSAS

DRILLING ASSEMBLY

CASING

MUD VOLUME (BBL)

CIRCULATION DATA

BIT SIZE	TYPE	JET SIZE	SURFACE SET @	HOLES	PITS	PUMP SIZE	X	IN.	ANNULAR VEL. (FT/MIN)
2 7/8			2 1/2	45-130	300	6		14	DP 145 DC
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE SET @	TOTAL CIRCULATING VOL.	PUMP MAKE, MODEL	ASSUMED EFF.	CIRCULATION PRESSURE (PSI)		
2 7/8			2 1/2	475	T-300	70%	700		
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE SET @	IN STORAGE WEIGHT	BBL/STK	STK/MIN	BOTTOMS UP (MIN)		
2 7/8			2 1/2	80	1121	60	18-21 min		
DRILL COLLAR SIZE	LENGTH	PRODUCTION OR LINER SET @	MUD TYPE		BBL/MIN	GAL/MIN	TOTAL CIRC. TIME (MIN)		
			Chemical		70	220	67 min		

MUD PROPERTIES

MUD PROPERTY SPECIFICATIONS

SAMPLE FROM	☒ API ☐ F.L. ☐ PIT	WEIGHT	VISCOSITY	FILTRATE
TIME SAMPLE TAKEN	1209	9.0-9.4	34-37	12-15" 10-15" 3300
DEPTH (ft)	3053	BY AUTHORITY:	☐ OPERATOR'S WRITTEN ☐ DRILLING CONTRACTOR	
WEIGHT ☒ (ppg) ☐ (lb/cu.ft) ☐ Sp. G	9.8	☐ OPERATOR'S REPRESENTATIVE ☐ OTHER		
FUNNEL VISCOSITY (sec./qt.) API @	35	PRODUCTS	TREATMENT	
PLASTIC VISCOSITY cP @	8		Vis 44-48 cP	
YIELD POINT (lb/100ft²)	4		D.S.T. or LOG	
GEL STRENGTH (lb/100ft²) 10 sec./10 min.	4/10 1	Tenn. 1 x		
FILTRATE API (cm³/30 min.)	12.5	Carbit 1 x		
API HTHP FILTRATE (cm³/30 min.) @	-	Soda Ash 1/2 x		
CAKE THICKNESS (32nd in. API/HTHP)	21 1	At 3200 ± PSI 12x Drilling		
SOLIDS CONTENT (% BY Vol.) ☒ CALC. ☐ RETORT	11%	Slowly to system 30 minutes		
LIQUID CONTENT (% BY Vol.) OIL/WATER	-1 1	Gel For Viscosity		
SAND CONTENT (% BY Vol.)	3%	Hullage For LCM		
METHYLENE BLUE CAPACITY ☐ lb/bbl equiv. ☐ cm³/cm³ mud	-	REMARKS:		
PH ☒ STRIP ☐ METER @	11.0	Vis. 34-37 cP with M-T Gel		
ALKALINITY MUD (Pm)	-	wt. 9.0-9.4 #/gal		
ALKALINITY FILTRATE (P₁/M₁)	171 1	Hole Full on ALL TRIPS		
ALTERNATE ALKALINITY FILTRATE (P₁/P₂)	-1 1			
CHLORIDE (mg/L)	2600			
TOTAL HARDNESS AS CALCIUM (mg/L)	40			
WATER AT Flow line to control weight.	1 #/Bbl			

PRODUCT INVENTORY	601	SP	W	T	H	D	274.00
STARTING INVENTORY							52.28
RECEIVED							147.36
US' 24	40	2	4	4	5		24.92
CLOSING INVENTORY							48.15
COST LAST 24 HR.							597.21
FUD MUD ENGINEER	hanks						597.21
HOME ADDRESS	E ID						1588.11
WAREHOUSE LOCATION							
PHONE	321-0536						
PHONE	321-1397						

DRILLING MUD REPORT

OPERATOR



FUD MUD, INC.

MAGCOBAR DISTRIBUTOR
EL DORADO, KS 67042 • PH. (316) 321-1387
WICHITA, KANSAS • PH. (316) 265-8997



DRILLING MUD REPORT NO. <u>6</u>	
DATE <u>11-10-94</u>	DEPTH <u>3430</u>
SPUD DATE <u>Set</u>	PRESENT ACTIVITY <u>Digs</u>

OPERATOR <u>McNaish Drilling Co.</u>	CONTRACTOR <u>Colquhoun</u>	RIG NO. <u>1</u>
REPORT FOR <u>Jim Craig & Peter</u>	REPORT FOR <u>Don Miller</u>	SECT., TOWNSHIP, RANGE
WELL NAME AND NO. <u>Franklin 1</u>	FIELD OR BLOCK NO. <u>DALTON</u>	STATE / PROVINCE <u>KS</u>

DRILLING ASSEMBLY			CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
BIT SIZE <u>7 1/8</u>	TYPE	JET SIZE	SURFACE SET <u>260</u> FT.	HOLE <u>48-1/4</u>	PITS <u>300</u>	PUMP SIZE <u>6</u> X <u>17</u>	ANNULAR VEL. (FT/MIN) <u>145</u> DC			
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE SET <u>496</u> FT.	TOTAL CIRCULATING VOL. <u>496</u>		PUMP MAKE, MODEL <u>D-300</u>	ASSUMED EFF. <u>80%</u>	CIRCULATION PRESSURE (PSI) <u>700</u>		
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE SET <u>80</u> FT.	IN STORAGE WEIGHT <u>80</u>		BBL/STK <u>1121</u>	STK/MIN <u>120</u>	BOTTOMS UP (MIN) <u>22-24</u>		
DRILL COLLAR SIZE	LENGTH	PRODUCTION OR LINER SET <u>0</u> FT.	MUD TYPE <u>Chemical Drilling</u>			MIN/MIN <u>7.0</u>	GAL/MIN <u>217</u>	TOTAL CIRC. TIME (MIN) <u>70</u>		

MUD PROPERTIES			MUD PROPERTY SPECIFICATIONS		
SAMPLE FROM <u>4 PM</u>	☐ F.L. ☐ PIT	WEIGHT <u>9.0-9.4</u>	VISCOSITY <u>35-37</u>	FILTRATE <u>8-10</u>	
TIME SAMPLE TAKEN <u>11:40</u>		BY AUTHORITY: ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTRACTOR			
DEPTH (ft) <u>3430</u>		☐ OPERATOR'S REPRESENTATIVE ☐ OTHER			
WEIGHT <u>9.2</u>		PRODUCTS		TREATMENT	
FUNNEL VISCOSITY (sec./qt.) API <u>39</u>				<u>Vis. 42-46 sec/qt</u>	
PLASTIC VISCOSITY cP <u>12</u>				<u>D.S.T. on LOG</u>	
YIELD POINT (lb/100ft²) <u>6</u>					
GEL STRENGTH (lb/100ft²) 10 sec./10 min. <u>214</u>		<u>Tannin</u>		<u>1</u>	
F RATE API (cm³/30 min.) <u>9.6</u>		<u>Caustic</u>		<u>1</u>	
API HTHP FILTRATE (cm³/30 min.) <u>-</u>		<u>Soda Ash</u>		<u>1/2</u>	
CAKE THICKNESS (32nd in. API/HTHP) <u>21</u>				<u>Tough treatment above</u>	
SOLIDS CONTENT (% BY Vol.) <u>113</u>		<u>Gel For Viscosity</u>			
LIQUID CONTENT (% BY Vol.) OIL/WATER <u>-1</u>		<u>Hulls. paper. Fiber. 80-100</u>			
SAND CONTENT (% BY Vol.) <u>342</u>		<u>water to control weight</u>			
METHYLENE BLUE CAPACITY <u>10.0</u>		REMARKS: <u>Vis. 35-37 sec/qt with M.I.L.D.</u>			
PH <u>10.0</u>		<u>Wt. 9.0-9.4</u>			
ALKALINITY MUD (Pm) <u>-</u>		<u>Hole Full on All Trips</u>			
ALKALINITY FILTRATE (P _f /M _f) <u>141</u>		<u>J.C.M. 2-3 #Bbl</u>			
ALTERNATE ALKALINITY FILTRATE (P _f /P _s) <u>-1</u>		<u>For Benz Miss 8-10 #Bbl to T.D.</u>			
CHLORIDE (mg/L) <u>1700</u>		<u>Tough treatment above</u>			
TOTAL HARDNESS AS CALCIUM (mg/L) <u>40</u>					

EQUIPMENT									
PRODUCT INVENTORY		HOURS		HOURS		HOURS			
STARTING INVENTORY	<u>219.20</u>	Centrifuge		Desilter		H. S. Cent.			
RECEIVED	<u>28.42</u>	Degasser		Shaker		Super Cyclone			
LAST	<u>141.36</u>	Desander	<u>1588</u>	Other					
CLOSING INVENTORY	<u>21.45</u>	DAILY COST		CUMULATIVE COST					
COST LAST 24 HR.	<u>215.50</u>	<u>1052.66</u>		<u>2641.32</u>					
FUD MUD ENGINEER	<u>Thanks ART</u>	HOME ADDRESS		PHONE					
MOBILE UNIT	<u>E11D</u>	WAREHOUSE LOCATION		PHONE					

DRILLING MUD REPORT

OPERATOR

**FUD MUD, INC.**
 MAGCOBAR DISTRIBUTOR
 EL DORADO, KS 67042 • PH. (316) 321-1387
 WICHITA, KANSAS • PH. (316) 265-8987


DRILLING MUD REPORT NO. 7

DATE 11-11-19

DEPTH 3500

PRESENT ACTIVITY

SPUD DATE

206

OPERATOR

CONTRACTOR

RIG NO.

REPORT FOR

REPORT FOR

SECT, TOWNSHIP, RANGE

WELL NAME AND NO.

FIELD OR BLOCK NO.

CT, PAR, OROFFSHORE AREA

STATE / PROVINCE

DRILLING ASSEMBLY

CASING

MUD VOLUME (BBL)

CIRCULATION DATA

BIT SIZE	TYPE	JET SIZE	SURFACE	HOLE	PITS	PUMP SIZE	X	IN.	ANNULAR VEL. (FT/MIN)
3 1/2			SET @ FT.		300	6		14	DP 195 DC
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE	TOTAL CIRCULATING VOL.		PUMP MAKE, MODEL	ASSUMED EFF.	%	CIRCULATION PRESSURE (PSI)
			SET @ FT.			62500		10	200
DRILL PIPE SIZE	TYPE	LENGTH	INTERMEDIATE	IN STORAGE	WEIGHT	BBL/STK	STK/MIN		BOTTOMS UP (MIN)
			SET @ FT.			1521	60		23 26
DRILL COLLAR SIZE		LENGTH	PRODUCTION OR LINER	MUD TYPE		BBL/MIN	GAL/MIN		TOTAL CIRC. TIME (MIN)
			SET @ FT.	Chain		70			71

MUD PROPERTIES

MUD PROPERTY SPECIFICATIONS

SAMPLE FROM	☒ F.P. ☐ F.L. ☐ PIT	WEIGHT	VISCOSITY	FILTRATE
TIME SAMPLE TAKEN	1025	9.4 ±	38-40	10"
DEPTH (ft)	3500	BY AUTHORITY: ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTRACTOR		
WEIGHT ☒ (ppg) ☐ (lb/cu.ft) ☐ Sp. G	9.7	☐ OPERATOR'S REPRESENTATIVE ☐ OTHER		
FUNNEL VISCOSITY (sec./qt.) API @	44	PRODUCTS	TREATMENT	
PLASTIC VISCOSITY cP @	16		Vis 44-48 cP	
YIELD POINT (lb/100ft²)	✓		DST 2006	
GEL STRENGTH (lb/100ft²) 10 sec./10 min.	8/17	GOOD	50.3 oz	
FILTRATE API (cm³/30 min.)	10.4		MUD	
API HTHP FILTRATE (cm³/30 min.) @	✓		Thanks	
CAKE THICKNESS (32nd in. API/HTHP)	21		ART	
SOLIDS CONTENT (% BY Vol.) ☒ CALCD. ☐ RETORT	11.3	REMARKS:		
LIQUID CONTENT (% BY Vol.) OIL/WATER	1	Vis 38-40 cP		
SAND CONTENT (% BY Vol.)	2.8	Wt. 9.4 ± / gal		
METHYLENE BLUE CAPACITY ☐ lb/bbl equiv. ☐ cm³/cm³ mud	9.5	Hole Full ON TRIPS		
PH ☐ STRIP ☐ METER @	✓			
ALKALINITY MUD (Pm)	✓			
ALKALINITY FILTRATE (P _f /M _f)	31			
ALTERNATE ALKALINITY FILTRATE (P _f /P _s)	1			
CHLORIDE (mg/L)	1900			
TOTAL HARDNESS AS CALCIUM (mg/L)	40			
	1-2 g/bbl			

PRODUCT INVENTORY	STARTING INVENTORY	RECEIVED	LAST 24	CLOSING INVENTORY	COST LAST 24 HR.	FUD MUD ENGINEER	HOME ADDRESS	WAREHOUSE LOCATION	PHONE
64 1/2			20 1/2			Frank Card		E 1D	3210536
									3211382

EQUIPMENT

	HOURS		HOURS		HOURS
Centrifuge		Deslitter		H. S. Cent.	
Degasser		Shaker		Super Cyclone	
Desander		Other			

DAILY COST

CUMULATIVE COST

200.64

2841.96

COMPANY McNeish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY 54 STATE Ks
 CONTRACTOR GLAVES DRILLING CO. HOLE 7 7/8 DRILL PIPE 4 3/4
 DATE: 11-7-94 RIG NO. SIZE PUMP LINERS L LENGTH STROKE 14

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
23 01	2:17	1	HUPPER open	23 51	46	1	
02	19	1		52	47	1	
03	20	1		53	49	1	
04	21	1		54	49	1	
05	22	1		55	50	1	
06	23	1		56	51	1	
07	24	1		57	52 1/2	1 1/2	
08	25	1		58	54	1 1/2	
09	26	1		59	55	1	
23 10	27	1		23 60	56	1	
11	28	1		61	57 1/2	1 1/2	Intan?
12	30	2	Conn	62	4:00	2 1/2	
13	50/51	1		63	02	2	
14	52	1		64	04	2	
15	54	2		65	06	2	
16	55	1		66	07 1/2	1 1/2	
17	56	1		67	09	1 1/2	
18	57	1		68	10 1/2	1 1/2	
19	58	1		69	12	1 1/2	
23 20	59	1		23 70	14	2	
21	00	1		71	15	1	
22	01	1		72	17	2	
23	02	1		73	18 1/2	1 1/2	
24	03	1		74	19 1/2	1	Conn SHS = 1 3/4"
25	04 1/2	1 1/2		75	50/52	2	
26	05	1 1/2		76	54	2	
27	06	1		77	56	2	
28	07	1		78	57 1/2	1 1/2	
29	08	1		79	59	1 1/2	
23 30	09	1		23 80	5:01	2	
31	10	1		81	03	2	
32	11	1		82	05	2	
33	12	1		83	07	2	
34	13	1		84	09	2	
35	14	1		85	12	3	
36	15	1		86	14	2	
37	16	1		87	16	2	
38	17	1		88	18	2	
39	18	1		89	19	1	
23 40	19	1		23 90	21	2	
41	20	1		91	23	2	
42	21 1/2	1 1/2		92	25	2	
43	22 1/2	1		93	29	4	
44	23 1/2	1	Conn	94	34	5	
45	39/40	1	2nd?	95	38	4	
46	41	1		96	42	4	
47	42	1		97	45	3	
48	43	1		98	48	3	
49	44	1		99	51	3	
23 50	46	1		24 00	54	3	Call Jim + Ray

COMPANY Mc Neish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Sumner STATE KS
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 DATE: 11-7-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14'
5:54 P.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
24 01	54/57	3		24 51	4/3	2	
02	59	2		52	44	1	
03	602	3		53	45	1	
04	05	3		54	46 1/2	1 1/2	
05	07	2	Conn	55	48	1 1/2	
06	13/16	3		56	49	1	
07	19	3		57	50	1	
08	22	3		58	51	1	
09	24	2		59	52	1	
24 10	26	2	Vis. = 33 WT. = 9.3#	24 60	54	2	
11	29	3	Lcm. = 3"	61	55	1	
12	31	2		62	57	2	
13	33	2		63	58	1	
14	35	2		64	59	1	
15	37	2		65	8:00	1	
16	38	1		66	02	2	
17	40	2		67	04	2	Conn S.H.S. = 2°
18	42	2		68	38/40	2	
19	43	1		69	43	3	Running 10 pps on 13'
24 20	45	2		24 70	49	6	
21	47	2		71	54	5	
22	48	1		72	59	5	
23	50	2		73	9:03	4	
24	52	2		74	06	3	
25	53 1/2	1 1/2		75	09 1/2	3 1/2	
26	55	1 1/2		76	12	2 1/2	
27	57	2		77	14	2	
28	59	2		78	17	3	
29	7:01	2		79	19	2	
24 30	04	3		24 80	25	6	
31	06	2		81	30	5	
32	08	2		82	36	6	
33	10	2		83	41	5	
34	11	1		84	43	2	
35	12	2		85	44	1	
36	13 1/2	1 1/2	Conn	86	45	1	
37	17/19 1/2	2 1/2		87	47	2	
38	22	2 1/2		88	50	3	
39	24	2		89	53	3	
24 40	26	2		24 90	55	2	
41	27	1		91	58	3	
42	28 1/2	1 1/2		92	10:02	4	
43	30	1 1/2		93	06	4	
44	32	2		94	11	5	
45	33	1		95	15	4	
46	34 1/2	1 1/2		96	18	3	
47	36	1 1/2		97	23	5	Conn
48	38	2		98	32/36	4	
49	39	1		99	39 1/2	3 1/2	
24 50	41	2		25 00	42	2 1/2	

COMPANY McNeish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Sumner STATE KS
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 DATE: 11-7-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14

10:42 P.M.

SNS 90' S. 10'

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
25 01	42 1/4	3		25 51	56 3/4	3 1/2	
02	47	2		52	1 03	3 1/2	
03	49	2		53	05 1/2	2 1/2	
04	51	2		54	08 1/2	3	
05	53	2		55	11 1/2	3	
06	55	2		56	15	3 1/2	
07	57 1/2	1 1/2		57	18	3	
08	58 1/2	2		58	21	3	
09	1 00 1/2	2		59	25	4	Conn. S.H.S. 1 3/4
25 10	02 1/2	2		25 60	29 1/2	2	
11	04	1 1/2		61	56 1/2	2	
12	06	2		62	59	2 1/2	
13	08	2		63	201	2	
14	09 1/2	1 1/2		64	07	2	
15	11	1 1/2		65	05 1/2	2 1/2	
16	13	2		66	07 1/2	2	
17	14 1/2	1 1/2		67	09 1/2	2	
18	15 1/2	1 1/2		68	11 1/2	2	
19	17	1 1/2		69	13	1 1/2	
25 20	18 1/2	1 1/2		25 70	15	2	
21	20	1 1/2		71	17	2	
22	21 1/2	1 1/2		72	19 1/2	2 1/2	
23	23	1 1/2		73	22	2 1/2	
24	25	2		74	24 1/2	2 1/2	
25	27	2		75	27	2 1/2	
26	29 1/2	2 1/2		76	30	3	V. 5.34 wt 9.3
27	32 1/2	3		77	32	2	
28	35	2 1/2	Conn	78	35	3	
29	56/59	3		79	37 1/2	2 1/2	
25 30	1201	2		25 80	41	3 1/2	
31	04	3		81	44	3	
32	06	2		82	47 1/2	3 1/2	
33	08 1/2	2 1/2		83	50 1/2	3	
34	11	2 1/2		84	54	3 1/2	
35	14	3		85	57	3	
36	16 1/2	2 1/2		86	300	3	
37	19	2 1/2		87	04	4	
38	21 1/2	2 1/2	V. 5.33 wt 9.4	88	06 1/2	2 1/2	
39	24	2 1/2		89	10	3 1/2	
25 40	26 1/2	2 1/2		25 90	13 1/2	3 1/2	
41	29	2 1/2		91	18/20	2	Conn
42	31	2		92	22	2	
43	34 1/2	3 1/2		93	25	3	
44	37	2 1/2		94	27	2	
45	40	3		95	29	2	
46	43	3		96	31	2	
47	46	3		97	33	2	
48	49	3		98	35	2	
49	52 1/2	3 1/2		99	36 1/2	1 1/2	
25 50	54	3 1/2		26 00	38 1/2	2	

27

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COMPANY McNersh Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Seaman STATE Ks
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 3/8 DRILL PIPE 4 1/2
 DATE: 11-8-94 RIG NO. SIZE PUMP LINERS 6 LENGTH STROKE 14

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
26 01	39	10		51	7:15	3 1/2	
02	42	2		52	38	2 3/2	
03	45	1 1/2		53	07/11 1/2	2 1/2	Conn
04	45	1 1/2		54	14 1/2	3	STH
05	47	2		55	19 1/2	4	
06	49 1/2	2 1/2		56	22	3 1/2	
07	52	2 1/2		57	24	2	
08	54 1/2	2 1/2		58	50/22 1/2	2 1/2	Pump Rock
09	56 1/2	2		59	56 1/2	4	under Valve
10	58 1/2	2		60	58 1/2	2	
11	401	2 1/2		61	7:01	2 1/2	
12	03	2		62	03	2	
13	05 1/2	2 1/2		63	05	2	
14	08	3 1/2		64	07	2	
15	10	2		65	10	3	
16	13	3		66	12	2	
17	15	2		67	13 1/2	1 1/2	
18	17 1/2	2 1/2		68	15 1/2	2	
19	20	2 1/2		69	18	2 1/2	
20	23	3		70	20	2	
21	25	2		71	22	2	
22	27 1/2	2	Conn	72	24	2	
23	29 1/2	2 1/2		73	26	2	
24	36	1 1/2		74	29	3	
25	38	2		75	31	2	
26	39 1/2	1 1/2		76	33	2	
27	41	1 1/2		77	35	2	
28	43	2		78	37 1/2	4 1/2	
29	45	2		79	41	1 1/2	
30	46 1/2	1 1/2		80	43 1/2	2 1/2	
31	48 1/2	2		81	46	2 1/2	
32	50	1 1/2		82	48	2	
33	52	2		83	50	2	Conn 1/2 1/2
34	53 1/2	1 1/2		84	7:51/03	4	
35	55	1 1/2		85	06	3	
36	57 1/2	3 1/2		86	09	3	
37	501	2 1/2		87	12	3	
38	03	2		88	14 1/2	2 1/2	
39	05	2		89	16	1 1/2	
40	07	2		90	18	2	
41	09 1/2	2 1/2		91	19 1/2	1 1/2	
42	11 1/2	2		92	21	1 1/2	
43	13 1/2	2		93	23	2	
44	15 1/2	2		94	5:08 16	2	Chang. C/O 7. 4 7/16
45	17 1/2	2		95	11	1	
46	19 1/2	2		96	12 1/2	1 1/2	
47	22	2 1/2		97	14	1 1/2	
48	24 1/2	2 1/2		98	16	2	
49	28	3 1/2		99	17 1/2	1 1/2	
50	3 1/2	3 1/2		2/00	19	1 1/2	

COMPANY McNeish Oil FARM Fruitland WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Se STATE As
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 1 1/2
 DATE: 11-8-74 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
27 01	8:18	1 1/2		27 51	10:40	2 1/2	
02	22	1 1/2		52	45	2 1/2	
03	23	1		53	48	3	
04	24 1/2	1 1/2		54	51	3	
05	26	1 1/2		55	53	2	
06	28	2		56	55	2	
07	29 1/2	1 1/2		57	57 1/2	2 1/2	
08	31	1 1/2		58	11:00	2 1/2	
09	33	2		59	02	2	
27 10	34	1		27 60	04 1/2	2 1/2	
11	36	2		61	07	2 1/2	
12	37 1/2	1 1/2		62	09	2	
13	39	1 1/2	Conn	63	12	3	
14	8:43	47		64	14 1/2	2 1/2	
15	49	2		65	17	2 1/2	
16	51	2		66	19	2	
17	53 1/2	2 1/2		67	21 1/2	2 1/2	
18	55 1/2	2	11/5 30 wt 9.5 LCM 1 1/2"	68	23 1/2	2	
19	57 1/2	2		69	26 1/2	3	
27 20	59	1 1/2		27 70	30	3 1/2	
21	9:01	2		71	34	4	
22	04	3		72	38 1/2	4 1/2	
23	06	2		73	43	4 1/2	
24	08	2		74	48 1/2	5 1/2	
25	10	2		27 75	53	4 1/2	Conn
26	12	2		76	12:03	4	
27	14	2		77	10	3	
28	16	2		78	13	3	
29	18 1/2	2 1/2		79	16	3	
27 30	21	2 1/2		27 80	19	3	
31	22 1/2	1 1/2		81	22	3	
32	25	2 1/2		82	25	3	
33	27	2		83	29	4	
34	29	2		84	33 1/2	4 1/2	
35	31 1/2	2 1/2		85	38	4 1/2	
36	34	2 1/2		86	43	5	
37	36 1/2	2 1/2		87	47	4	
38	38 1/2	2		88	52	5	
39	41	2 1/2		89	59	7	
27 40	43	2		27 90	1:07	8	
41	45	2		91	15	8	
42	47 1/2	2 1/2		92	24	9	
43	50	2 1/2		93	31	7	Hopper closed
44	52	2	Conn SHS = 10	94	36 1/2	5 1/2	
45	10:22	3	J.T. Vilem	95	43 1/2	7	
46	29	3	Hopper open	96	47	3 1/2	
47	32	3		97	50	3	
48	35	3		98	53	3	
49	37 1/2	2 1/2		99	57	4	
27 50	40	2 1/2		28 00	2:00	3	Had mud 42 vis

COMPANY M^cNaish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY 54 STATE Kr.
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 DATE: 11-8-74 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
28 01	2:00	5		28 51	15	4	
02	09	4		52	19	3	
03	13	4	Lighter?	53	22	4	
04	16	3		54	26	4	
05	19	3		55	29	3	Vis. 39 wt 9.7
06	22	3		56	31	2	Lcm 2 nd
07	23	3	Conn	57	33	2	
08	25	4		58	35	2	
09	31	2		59	37	2	
28 10	37	2		28 60	39	2	vis?
11	41	2		61	41	2	
12	42	1		62	43	2	
13	43	1 1/2		63	44	1	
14	45	1 1/2		64	46	2	
15	46	1 1/2		65	47 1/2	1 1/2	
16	48 1/2	2		66	49	1 1/2	
17	51 1/2	3		67	51	2	
18	54	2 1/2		68	52 1/2	1 1/2	Conn SHS = 3/4"
19	56 1/2	2 1/2		69	22 1/2	1 1/2	C.P.S.
28 20	58	1 1/2		28 70	25 1/2	1 1/2	open Happen
21	3:00	2		71	28	2 1/2	
22	03	3		72	33	5	C.F.S. 20-40
23	05	2		73	15/18	3	Close Happen
24	08	3		74	22	4	
25	10 1/2	2 1/2		75	26	4	
26	13 1/2	3	Rough	76	30	4	
27	16 1/2	3	Rough	77	34	4	
28	20	3 1/2	R	78	38	4	
29	23	3		79	41 1/2	3 1/2	
28 30	25	2		28 80	45	3 1/2	
31	27	2		81	48 1/2	3 1/2	
32	29	2		82	53	4 1/2	
33	31	2		83	57	4	
34	33	2		84	11:02	5	
35	35	2	Vis. = 40 wt 9.7	85	06	4	
36	37	2	Lcm. = 1-2	86	10 1/2	4 1/2	
37	39	2	Conn R/g	87	15	4 1/2	
38	48/52	4		88	20	5	
39	4:01	9		89	24 1/2	4 1/2	
28 40	05	4		28 90	30	5 1/2	
41	07	2		91	36	6	
42	10	3		92	41	5	
43	12	2		93	46	5	
44	14 1/2	2 1/2		94	51	5	
45	17 1/2	3		95	57	6	
46	20	2 1/2	✓	96	1:04 1/2	7 1/2	
47	23	3		97	10 1/2	6	Conn
48	26	3	Bit Trip	98	17 1/2	2	
49	30/06	2		99	24 1/2	4	
28 50	11	5		29 00	27 1/2	3	

COMPANY McNish O. FARM Fran Klin WELL NO. 1
 NW 14 SEC. 16 TWP. 6 RGE. 33S LOC. 2E COUNTY Sumner STATE Ks
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 2 3/4 DRILL PIPE 4 1/2
 DATE: 4-9-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14
@ 1227 1/2 AM

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
29 01	12 32	4 1/2		29 51	47 50	3	
02	35 1/2	3 1/2		52	52 1/2	2 1/2	
03	39 1/2	4		53	55	2 1/2	
04	42 1/2	4		54	57	2	
05	48 1/2	5		55	400	3	
06	53	4 1/2		56	02	2	
07	57	4	<u>Vis 39 w/ 9.2</u>	57	05	3	
08	102	5	<u>LCM 1 1/2</u>	58	07	2	
09	06 1/2	4 1/2		59	09	2	
29 10	11	4 1/2		29 60	10 1/2	1 1/2	
11	16	5		61	17/18 1/2	1 1/2	<u>Conn</u>
12	21	5		62	20	1 1/2	
13	26 1/2	5 1/2		63	21 1/2	1 1/2	
14	31 1/2	5		64	23	1 1/2	
15	37	5 1/2		65	24 1/2	1 1/2	
16	42	5		66	26	1 1/2	
17	47	5		67	27	1	
18	52	5		68	28	1	
19	56	4		69	29	1	
29 20	201	5		29 70	30	1	
21	06	5		71	31	1	
22	11	5		72	32	1	
23	16	5		73	34 1/2	2 1/2	
24	21	5		74	39 1/2	5	
25	25	4		75	41 1/2	2	
26	30	5		76	43	1 1/2	
27	34 1/2	4 1/2		77	44 1/2	1 1/2	
28	39 1/2	5		78	46	1 1/2	
29	43 1/2	4	<u>Conn</u>	79	47	1	
29 30	57 1/2	2 1/2	<u>Wk Rdr</u>	29 80	48 1/2	1 1/2	
31	57	3	<u>Hopper</u>	81	50	1 1/2	
32	59 1/2	2 1/2		82	55	5	
33	302	2 1/2		83	59	4	
34	04 1/2	2 1/2		84	503	4	
35	07	2 1/2		85	03/10	5	<u>Belt. A.C</u>
36	09 1/2	2 1/2		86	18	8	
37	12 1/2	3		87	25 1/2	7 1/2	
38	15	2 1/2		88	30 1/2	5	
39	17 1/2	2 1/2		89	36	5 1/2	
29 40	20	2 1/2		29 90	40	4	
41	23	3		91	50/52	4	<u>Conn</u>
42	26	3		92	55	3	
43	28 1/2	2 1/2		93	6:00	5	
44	31	2 1/2		94	06	6	
45	33 1/2	2 1/2		95	11	5	
46	36	2 1/2		96	16 1/2	5 1/2	
47	39	3		97	22 1/2	6	
48	41 1/2	2 1/2		98	30	7 1/2	
49	44	2 1/2		99	35 1/2	5 1/2	
29 50	47	3		100	41 1/2	10	

COMPANY M^cNeish FARM Franklin WELL NO. 1
 SEC 4 TWP 6 RGE 35 LOC 2E COUNTY Sumner STATE Ks
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 1/2 DRILL PIPE 4 1/2
 DATE: 11-9-84 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14
6:41 AM

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
3001	6:48	10		3051	2:04	07	
02	53	2		52	10	3	
03	58	5		53	13	3	
04	7:02	4		54	46/48	2	CONN. SET FLUID PUT NEW BELTS ON AIR COMP.
05	07	5		55	50	2	
06	13	5		56	53	3	
07	14	2		57	55	2	
08	17	3		58	57 1/2	2 1/2	
09	23	6		59	1:00	2 1/2	
3010	30	7		5060	02	2	
11	35	5		61	04	2	
12	41	6		62	06	2	
13	46	5		63	09	3	
14	51	5		64	12	3	
15	56	5		65	15	3	
16	8:00	4		66	17	2	
17	04	4		67	20	3	
18	09	5	chng. chrt. time	68	24	4	
19	1:35	4		69	26	2	
3020	04	4		3070	27 1/2	1 1/2	
21	09	5		71	30	2 1/2	
22	13	4		72	33	3	
23	10:31	3 1/2	Conn CK Nig	73	37	4	
24	28	3 1/2	CPS SHS = 1/4"	74	41	4	
25	32	4	1/5-37 wt 9.8" ACMI	75	44 1/2	3 1/2	
26	36	4		76	47	4 1/2	
27	41	3		77	53	4	
28	48	4		78	56 1/2	3 1/2	
29	52	4		79	2:06	3 1/2	
3030	55	3		3080	05 1/2	3 1/2	
31	57	2		81	06	2 1/2	
32	11:00	3		82	09	3	
33	03	3		83	11 1/2	2 1/2	Conn
34	07	4		84	22 1/2	2	L.O.
35	10 1/2	3 1/2		85	27	3	
36	14	3 1/2		86	30	3	
37	17	2		87	32 1/2	2 1/2	
38	21 1/2	4 1/2		88	35 1/2	3	
39	24 1/2	3		89	38	2 1/2	
3040	28	3 1/2		3090	39	1	
41	32	4		91	40	1	
42	35	3		92	42	2	
43	40	5		93	44	2	
44	43	3		94	47	3	
45	46 1/2	3 1/2		95	49	2	
46	50	3 1/2		96	51	2	
47	54	4		97	53	2	
48	57	3		98	54 1/2	1 1/2	
49	12:00	3		99	55 1/2	1	
3050	04	4		3000	56 1/2	1	

COMPANY McNish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Sumner STATE IA
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 1 1/2
 DATE: 11-9-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14
256 1/2

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
31 01	56 1/2	1 1/2		31 51	14 1/2	3	
02	3:00	2		52	18 1/2	4	
03	01 1/2	1 1/2		53	21	3	
04	03	1 1/2		54	25	4	
05	05	2		55	28	3	
06	07	2		56	31	3	
07	09	2		57	35	4	
08	11	2		58	37 1/2	2 1/2	
09	13	2		59	40	2 1/2	
31 10	15	2		31 60	43	3	
11	17	2		61	46	3	
12	19	2		62	50	4	
13	21	2		63	52 1/2	2 1/2	
14	23	2	Conn ✓ Rtg	64	55	2 1/2	
15	33/35	2		65	58	3	
16	38	3		66	6:02	4	
17	41	3		67	04	2	
18	43	2		68	07	3	
19	45	2		69	10	3	
31 20	47	2		31 70	13	3	
21	49	2		71	16 1/2	3 1/2	
22	51	2		72	20	3 1/2	
23	53 1/2	2 1/2		73	24	4	
24	56	2 1/2		74	27	3	
25	58	2		75	30	3	
26	4:00	2		76	33	3	Conn Set Vol
27	03	3		77	43 1/4	3	
28	05	2		78	49	3	
29	07	2		79	52	3	
31 30	10	3		31 80	55	3	
31	13	3		81	58	3	
32	15	2		82	7:00	2	
33	18	3		83	03	3	
34	20	2		84	06	3	
35	23	3		85	08 1/2	2 1/2	Vis. = 33 WH = 76'
36	25	2		86	12	3 1/2	1 cm. = 2'
37	28	3		87	15	3	
38	30	2		88	17	2	
39	33	3		89	19	2	
31 40	36	3		31 90	20 1/2	1 1/2	
41	38	2		91	22	1 1/2	
42	410	2		92	26	4	
43	43	3		93	29	3	
44	45	2		94	32	3	
45	47 1/2	2 1/2	Conn	95	35	3	Open Hopper
46	55/58	3		96	38	3	
47	5:01	3		97	41	3	
48	05	4		98	44	3	
49	08 1/2	3 1/2		99	46	2	
31 50	11 1/2	3		3 200	49	3	Add Dris Pac

COMPANY McNeish Oil FARM Frontier WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Sumner STATE KS
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 1/2 DRILL PIPE 4 1/2
 DATE: 11-1-14 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14

7:49 PM.

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
32 01	49 1/2	3		32 51	24 1/2	5	
02	55	3		52	34	5	
03	58	3		53	40	6	
04	8:00	2		54	46	6	
05	02	2		55	51	5	
06	05	3		56	57	6	
07	07	3	Conn	57	1202	5	
08	19/23	4		58	07	5	
09	26 1/2	3 1/2		59	11	4	
32 10	29 1/2	3		32 60	18 1/2	5 1/2	vis 36 wt 9.8 1 C.M. 2 #
11	33	3 1/2		61	21	4 1/2	
12	36	3		62	24	3	
13	40	4		63	25 1/2	1 1/2	
14	44	4		64	29	3 1/2	
15	48	4	Close Hypper	65	32 1/2	3 1/2	
16	51	3		66	34	4 1/2	
17	54	3		67	38 1/2	2 1/2	
18	58	4		68	41	2 1/2	
19	9:02	4		69	44 1/2	3 1/2	Conn
32 20	05	3		32 70	10/104	2	
21	09	3		71	06	2	
22	12	4		72	09	3	
23	16	4		73	13 1/2	4 1/2	
24	19	3		74	21	7 1/2	
25	22 1/2	3 1/2		75	26	5	
26	27	4 1/2		76	31	5	
27	30	3		77	35	4	
28	33 1/2	3 1/2		78	39 1/2	4 1/2	
29	37	3 1/2		79	43	3 1/2	
32 30	40	3		32 80	47	4	
31	42 1/2	2 1/2		81	50	3	
32	44	1 1/2		82	53 1/2	3 1/2	
33	46	2		83	57	3 1/2	
34	48 1/2	2 1/2		84	20 1/2	4 1/2	
35	51	2 1/2		85	26 1/2	5	
36	53	2		86	31 1/2	5	
37	56	3		87	15	3 1/2	
38	58 1/2	2 1/2	Conn SHS = 7/8"	88	17	2	
39	38/40	2	C.p.s.	89	19 1/2	2 1/2	
32 40	44	4		32 90	22	2 1/2	
41	48	3	Vis. = 36 wt. = 9.8	91	25	3	
42	51	3	Lcm. = 2 #	92	28	3	
43	55	4		93	31	3	
44	58	3		94	35	4	
45	1:02	4		95	38 1/2	3 1/2	
46	06 1/2	4 1/2		96	43	4 1/2	
47	10 1/2	4		97	47	4	
48	14 1/2	4		98	52	3	
49	18	3 1/2		99	56	4	
32 50	24	6		33 00	23/06	3	Conn

COMPANY McNish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Sumner STATE Ks
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 DATE: 4-10-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 11

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DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
53 01	26/10	4	hopper open	33 51	26/70	4	
02	14	4		52	37 1/2	3 1/2	
03	17 1/2	3 1/2		53	37	3 1/2	
04	21	5 1/2		54	40	3	
05	24 1/2	3 1/2		55	43	3	
06	28 1/2	3 1/2		56	46 1/2	3 1/2	
07	31 1/2	3 1/2		57	51	4 1/2	
08	35	3 1/2		58	55	4	
09	38	3		59	59 1/2	4 1/2	
33 10	41 1/2	3 1/2		33 60	7:02 1/2	3	
11	44 1/2	3		61	86	3 1/2	Conn
12	48	3 1/2		62	7:11 1/2	3	
13	52	4		63	17	3	
14	56	4		64	19	2	
15	400	4		65	22	3	
16	04	4		66	23 1/2	1 1/2	
17	08	4	Upper closed	67	25 1/2	2	
18	12 1/2	4 1/2		68	27	1 1/2	
19	16	3 1/2		69	29	2	
33 20	20	4		33 70	31 1/2	2 1/2	
21	25 1/2	5 1/2		71	33	1 1/2	
22	30	4 1/2		72	35	2	
23	34 1/2	4 1/2		73	37	2	
24	37	2 1/2		74	39	2	
25	41	4 1/2		75	41 1/2	2 1/2	
26	44 1/2	3 1/2		76	43	3 1/2	
27	47 1/2	3		77	47 1/2	2 1/2	CFS 30
28	51	3 1/2		78	8:25 1/2	2 1/2	
29	55 1/2	4 1/2		79	31	3 1/2	
33 30	58 1/2	5	Wake Geol	33 80	33	2	
31	08/10	2	Conn Rough	81	35	2	
32	14	4		82	37	2	
33	18	4	Rough	83	49 1/2	2 1/2	
34	22	4	Rough	84	42	2 1/2	
35	27	5		85	45	3	
36	30 1/2	3 1/2	U.S. 4 W.P. 9.7	86	47 1/2	2 1/2	
37	36	5 1/2	LCM 2nd	87	50	2 1/2	
38	40	4		88	52	2	
39	44 1/2	4 1/2		89	54 1/2	2 1/2	
33 40	48	4 1/2		33 90	56 1/2	2	
41	52	3		91	58	1 1/2	
42	54	2		92	9:00	2	Conn.
43	56	2		93	9:06 1/2	1 1/2	
44	59 1/2	3 1/2		94	11	3 1/2	
45	605	5 1/2		95	14 1/2	3 1/2	
46	1:02 1/2	5 1/2		96	18	3 1/2	
47	15	4 1/2		97	21	3	
48	19	4		98	24	3	
49	22 1/2	3 1/2		99	26	2	
33 50	26	4 1/2		34 00	29	3	

COMPANY McNeish Oil FARM Franklin WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY 54 STATE Kc
 CONTRACTOR GLAVES DRILLING CO., INC. SIZE HOLE DRILL PIPE
 DATE: 11-10-94 RIG NO. 1 SIZE PUMP LINERS 6 LENGTH STROKE 14

11-10-94

DEPTH	TIME O'CLOCK	MIN.	REMARKS	DEPTH	TIME O'CLOCK	MIN.	REMARKS
34 01	9:27	33	SR	34 51	56	2	
02	37	4		52	12 1/2	1 1/2	
03	41	4		53	14	1 1/2	
04	44 1/2	3 1/2		54	17	3	C 044
05	48 1/2	4		55	20 1/2	2	
06	52 1/2	4		56	30	3	
07	56	3 1/2		57	35	5	
08	59	3		58	46	5	
09	11:01	2		59	44	4	
34 10	03 1/2	2 1/2		34 60	49 1/2	5 1/2	
11	06	2 1/2		61	57 1/2	5	Air Pump out
12	08 1/2	2 1/2		62	08 1/2	6 1/2	
13	11	2 1/2		63	17	4 1/2	
14	14 1/2	3 1/2		64	18 1/2	5 1/2	
15	18	3 1/2		65	24	5 1/2	
16	21 1/2	3 1/2		66	29 1/2	5 1/2	
17	24	2 1/2		67	35	5 1/2	
18	26	2	SR	68	40	5	
19	28	2		69	47	7	
34 20	29 1/2	1 1/2		34 70	05 1/2	5	
21	32	2 1/2		71	58	7	
22	34 1/2	2 1/2		72	50 1/2	6	
23	37	2 1/2	Conn.	73	22 1/2	7	
24	10:44	46	2	74	17 1/2	5	
25	48 1/2	2 1/2		75	23 1/2	6	
26	50 1/2	2		76	29 1/2	6	
27	53	2 1/2		77	35	5 1/2	
28	55	2		78	42	5	
29	57 1/2	2 1/2		79	47	5	
34 30	59	1 1/2	CFS 20-40-	34 80	54	7	
31	11:45	46	1	81	59 1/2	5 1/2	
32	47 1/2	1 1/2		82	60 1/2	5 1/2	
33	50	2 1/2		83	10 1/2	5 1/2	
34	51	1		84	17 1/2	7	
35	53	2		85	23	5 1/2	Conn
36	55	2		86	30 1/2	2 1/2	
37	57	2		87	36 1/2	4	
38	59 1/2	2 1/2		88	41	4 1/2	
39	12:02	2 1/2		89	45	4	
34 40	04	2		34 90	49	4	
41	06 1/2	2 1/2	SR	91	53	4	
42	08	1 1/2	✓	92	56 1/2	2 1/2	
43	10	2	✓	93	7:11 1/2	5	
44	11	1	✓	94	05	3 1/2	
45	12	1	✓	95	16	5	
46	13	1	✓	96	14	4	
47	14 1/2	1 1/2		97	19	5	
48	16	1 1/2		98	22 1/2	3 1/2	
49	17	1		99	26 1/2	4	
34 50	18 1/2	1 1/2	CFS 20-40	35 00	31	4 1/2	TO CFS