

DAILY DRILLING REPORT #

TIME: 6:00 AM DATE: 9/20 SPUD DATE: 9/19 DAYS FROM SPUD: 11

WELL NAME: WiniFred Atkins #1 OPERATOR: Mobil

LOCATION: 7 - 275 - 33W COUNTY: Haskell STATE: KS

ELEVATION: GL: 2949 DF: 2964 KB: 2965

PRESENT DEPTH: 5463 TD PENETRATION: — STATUS: —

ACTIVITY LAST 24 HOURS: Finished logging w/ ML, HRD, & sidewalls
by 6:00 PM Denver. PD Schl. & circ for esg.

CURRENT LITHOLOGY: _____ BGG: _____

RATE OF PENETRATION: RANGE: _____ AVERAGE: _____

DRILLING PARAMETERS: WOB _____ RPM _____ PP _____

HOLE SURVEYS: TYPE: _____ DEPTH: _____ DEVIATION: _____

MUD: WT: _____ VIS: _____ WL: _____ PH: _____ CL- _____

SHOWS: FORMATION: _____ INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

SHOWS: FORMATION: _____ INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

CORES, TESTS, PROBLEMS, REMARKS, ETC: 19 of 24 sidewalls recovered

These w/ no recovery being one in good Morrow zone, several ~ 5100,
& 1 above, but all St. Louis is recovered. Released mud loggers
early PM 9/19. Tim bringing sidewalls, mud sample, etc. back in 9/21 AM.

FORMATION TOPS: _____

COST TO DATE: _____ GEOLOGIST: Tim Turdik

9/19 —

Tim Turdik recommended running csg 7:00 AM

We got logs (DIL/BHC/CNL/FDC) ~ 9:00 AM from Schl.

Kevin Crook recommended running csg to TD @ 10:00 AM.

Larry Nelson agreed to csg @ TD @ 11:00 AM

I called Tim @ well to run sidewalls after HAD run this PM (ML out late AM) & said to prod. case to TD

Called Marvin Hileman @ 11:20 w/ csg decision & zones we may want to prod. test (5053-5340).

Called George Moekel @ 1:00 PM w/ csg decision. He says they will move on loc some time next week to do 3 or 4 days work and will let me know when. He needs DIL w/ tops/BHC/CNL/FDC & CBL when we have them.

DAILY DRILLING REPORT #

TIME: 6:00 AM DATE: 9/19 SPUD DATE: 9/9 DAYS FROM SPUD: 10

WELL NAME: WiniFred Atkins #1 OPERATOR: Mobil

LOCATION: 7 - 27S - 33W COUNTY: Haskell STATE: KS

ELEVATION: GL: 2949 DF: 2964 KB: 2965

PRESENT DEPTH: 5463 TD PENETRATION: 174 STATUS: logging

ACTIVITY LAST 24 HOURS: _____

CURRENT LITHOLOGY: _____ BGG: _____

RATE OF PENETRATION: RANGE: _____ AVERAGE: ~3 min/ft

DRILLING PARAMETERS: WOB _____ RPM _____ PP _____

HOLE SURVEYS: TYPE: _____ DEPTH: _____ DEVIATION: _____

MUD: WT: _____ VIS: _____ WL: _____ PH: _____ CL- _____

SHOWS: FORMATION: none INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

SHOWS: FORMATION: _____ INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

CORES, TESTS, PROBLEMS, REMARKS, ETC: Sent mudlogger into Schl. Liberal w/

DIL/BHC/CNL/EDC 5:30 Denver time. Still need to run ML,

HAD, Sidewalls

FORMATION TOPS: (Log) Morrow 5016, St. Gen 5133, St. Louis 5250, Spargen 5436

COST TO DATE: _____ GEOLOGIST: Tim Turdik

DAILY DRILLING REPORT #

TIME: 6:00 AM DATE: 9/18 SPUD DATE: 9/9 DAYS FROM SPUD: 9

WELL NAME: Winitred Atkins #1 OPERATOR: Mobil

LOCATION: 7 - 275 - 33W COUNTY: Haskell STATE: KS

ELEVATION: GL: 2949 DF: 2964 KB: 2965

PRESENT DEPTH: 5289 PENETRATION: 307 STATUS: drlg

ACTIVITY LAST 24 HOURS: 8 trip for bit, 2 runs to bottom

CURRENT LITHOLOGY: ls-cr mic, sdy, to ls &ool BGG: 1-2u

RATE OF PENETRATION: RANGE: 2 1/2 - 3 1/2 AVERAGE: 3 min/ft

DRILLING PARAMETERS: MOB 45/50 RPM 65/85 PP 1800

HOLE SURVEYS: TYPE: total free point DEPTH: 5032 DEVIATION: 2°

MUD: WT: 9.1 VIS: 42 WL: 12.2 PH: 9.5 CL: 1000

SHOWS: FORMATION: see 9/17 shows sheet INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

SHOWS: FORMATION: _____ INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

CORES, TESTS, PROBLEMS, REMARKS, ETC: _____

FORMATION TOPS: Morrow 5005, St. Gen 5135?, St. Louis 5190

COST TO DATE: \$257,203 GEOLOGIST: Tim Trudik

DRILLING BREAKS, SHOWS — 17 Sept 84

Morrow top ~5015 (90' hi to prog)

5020 - 5028, Morrow:

DB 2 1/2 1 2 1/2 gas 1 1/2 9 3 to C₃
sdy ls w/ no vis ϕ & no smpl show

5045 - 5051, Morrow:

DB 2 1/2 1 —, gas no increase
circ smpls w/ no gas, no ϕ , no smpl show, mostly sltstr

5083 - 5095, lower Morrow? Chester?
5095-5113 still had smpl shows, but titer

DB 1 1/2 1/2 2 1/2, gas 3 15 3 to C₄ initially, no C₄ after circ
circ smpls, which were well sorted & gr ss, calc cont
smpls oil st, flash cut, yel tl, est 10-12% ϕ , some oil in mud
(rainbow only) — Tim thinks this is lower Morrow
based on lots of Morrow shale still in samples. Doesn't
want to test, neither does Vince (2:00 PM 9/17).

(trip for bit #3 @ 3:30 Denver time @ 5125', should be dng ~8:00 AM)

DAILY DRILLING REPORT #

TIME: 6:00 AM DATE: 9/17 SPUD DATE: 9/9 DAYS FROM SPUD: 8

WELL NAME: WiniFred Atkins #1 OPERATOR: Mobil

LOCATION: 7 - 275 - 33W COUNTY: Haskell STATE: KS

ELEVATION: GL: 2949 DF: 2964 KB: 2966

PRESENT DEPTH: 4982 PENETRATION: 571 STATUS: drlg

ACTIVITY LAST 24 HOURS: _____

CURRENT LITHOLOGY: tan-gy ls micritic BGG: 2u

RATE OF PENETRATION: RANGE: 2-3 min/ft AVERAGE: 2.5

DRILLING PARAMETERS: WOB 45/50k RPM 65-80 PP 1800

HOLE SURVEYS: TYPE: _____ DEPTH: 1918 DEVIATION: 1/4"

MUD: WT: _____ VIS: 40 WL: 18.3 PH: 9.0 CL- 1200

SHOWS: FORMATION: none INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

SHOWS: FORMATION: _____ INTERVAL: _____

DRLG BRK: B _____ D _____ A _____ GAS UNITS: B _____ D _____ A _____

LITHOLOGY: _____

FLOUR & CUT: _____

CORES, TESTS, PROBLEMS, REMARKS, ETC: KB is 2966.45', GL is 2949.

FORMATION TOPS: Lansing 4015, KC 4313, Marmaton 4600, Cherokee 4758

COST TO DATE: \$ 201,437 GEOLOGIST: Tim Turdik

MOBIL OIL CORPORATION DATE ON : 21-SEP-84 OFF: 24-SEP-84 FILE NO : 3806-7534
 WINIFRED ATKINS UNIT #1 FORMATION : AS NOTED LABORATORY: AURORA
 WILDCAT DRLG. FLUID: WATER BASE MUD ANALYSTS : JS:FD
 HASKELL COUNTY, KANSAS LOCATION : NE NW NW SEC 7-T27S-R33W ELEVATION : 2974 GL

SIDE WALL CORE ANALYSIS

REC IN	DEPTH FEET	PERM(Ka) MD(*)	FLD POR	OIL% WTRZ PORE	DESCRIPTION
Lower Morrow Formation					
	5053.5	**	**	**	SS DRK GRY V/FN ARG SLTY NO ODOR NO FLU
	5054.0	14.	13.5	4.4 65.2	SS DRK GRY V/FN ARG SLTY NO ODOR STRK FLU
	5055.0				LOST RECOVERY
	5081.0				PETROLOGY SAMPLE - CLI DALLAS
	5082.0	30.	14.3	6.3 60.8	SS BUFF V/FN-FN SL/ARG SLT SL/ODOR FLU THRU
	5083.0				PETROLOGY SAMPLE - CLI DALLAS
	5084.0	14.	13.5	6.7 64.4	SS BUFF V/FN-FN SL/ARG SLT SL/ODOR FLU THRU
	5085.0				PETROLOGY SAMPLE - CLI DALLAS
	5086.0	18.	13.7	6.6 65.7	SS BUFF V/FN-FN SL/ARG SLT SL/ODOR FLU THRU
	5087.0				PETROLOGY SAMPLE - CLI DALLAS
	5088.0	5.0	12.0	3.3 66.7	SS DRK GRY V/FN-FN ARG SLT NO ODOR STRK FLU
	5089.0				PETROLOGY SAMPLE - CLI DALLAS
	5090.0	7.0	12.4	6.4 63.7	SS DRK GRY V/FN-FN SL/ARG SLT SL/ODOR FLU THRU
	5091.0				NO SAMPLE
	5092.0	3.5	10.9	1.8 65.1	SS DRK GRY V/FN-FN SL/ARG SLT NO ODOR SPT FLU
	5100.0				LOST RECOVERY
	5101.0				LOST RECOVERY
	5102.0				PETROLOGY SAMPLE - CLI DALLAS
	5103.0	<0.1	8.6	0.0 51.2	SS GY V/FN ARG NO ODOR NO FLU
St. Louis Formation					
	5253.0	<0.1	6.2	0.0 53.2	LM WHT FN-XLN NO ODOR NO FLU
	5255.0	<0.1	5.9	0.0 52.5	LM WHT FN-XLN NO ODOR NO FLU
	5259.0	<0.1	7.2	0.0 55.6	LM WHT FN-XLN NO ODOR NO FLU
	5340.0	<0.1	4.5	0.0 55.6	LM WHT FN-XLN NO ODOR NO FLU
	5342.0	<0.1	8.0	0.0 50.0	LM WHT FN-XLN NO ODOR NO FLU

(*) Permeability values for percussion type sidewall cores determined empirically.

(**) UNSUITABLE FOR ANALYSIS