

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

5

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444

City/State/Zip DENVER, COLORADO 80217

Purchaser PERMIAN CORPORATION
9810 E. 42ND, STE. 233
TULSA, OK 74145

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Contractor: License # 9137
Name UNIT DRILLING & EXPLORATION

Wellsite Geologist D. DU BOIS
Phone (303) 298-3742

Designate Type of Completion
 New Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OAWD: old well info as follows;
Operator _____
Well Name _____
Comp. Date _____

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

5-27-88 6-2-88 7-21-88
Spud Date Date Reached TD Completion Date

6400' 6374'
Total Depth PBYD *ATI*

Amount of Surface Pipe Set and Cemented at 1750' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3310 feet

If alternate 2 completion, cement circulated
from _____ feet depth to _____ w/ _____ SX cat

Cement Company Name _____
Invoice # _____

API No. 15- 189-21190 00-00
COUNTY STEVENS
NW NE Sec 15 Twp 33S Rge 35 X East
4620 Ft North from Southeast Corner of Section
1980 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

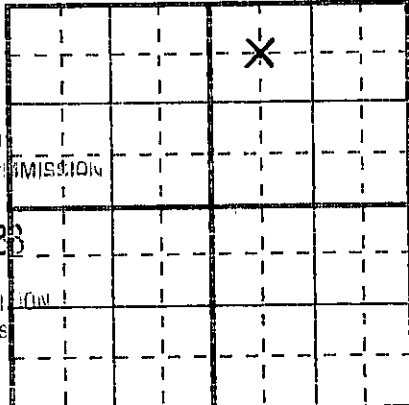
Lease Name DYLER WELL # 2

Field Name NORTHWOODS, SE

Producing Formation CHESTER

Elevation: Ground 2944' KB 2960'

SECTION PLAT



RECEIVED
STATE CORPORATION COMMISSION
AUG 15 1988
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-25119 Repressuring

Questions on this portion of ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit# 188-267

Groundwater 3390 Ft. North from Southeast Corner
(well) 440 Ft. West from Southeast Corner of
Sec 15 Twp 33S Rge 35 East X West

Surface Water _____ Ft. North from Southeast Corner
(Stream, pond etc) _____ Ft. West from Southeast Corner
Sec _____ Twp _____ Rge _____ East _____ West

Other (explain) _____
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107, and 82-3-106 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 drillers time log shall be attached with this form. Submit cp-4 form with all plugged wells. Submit cp-111 form with all temporarily abandoned wells.

All requirements of 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.

Signature B. R. Maynard B. R. MAYNARD
Title REGULATORY COMPLIANCE MANAGER Date 8-12-88

Subscribed and sworn to before me this 12 day of August
1988
Notary Public George George
Date Commission Expires 1/3/91

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC _____ SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
(Specify)
8-15-88

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name OYLER Well # 2

Sec 15 Twp 33S Rge 35 XX East
West County STEVENS

WELL LOG

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 XX No
 Samples Sent to Geological Survey XX Yes No
 Cores Taken Yes XX No

Formation Description
XX Log Sample

Name	Top	Bottom
CHASE	2650'	
COUNCIL GROVE	2952'	
ADMIRE	3260'	
HEEBNER	4203'	
LANSING	4358'	
KANSAS CITY	4646'	
MARMATON	5055'	
CHEROKEE	5275'	
MORROW	5690'	
CHESTER	5995'	
STE. GENEVIEVE	6247'	
ST. LOUIS	6335'	

CASING RECORD

XX 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"	24#	1750'	CL C LITE	615 SX	65:35:6 +3% CaCl ₂
					CL C	150 SX	+2% CaCl ₂
Production	7-7/8"	5-1/2"	14#	6400'	CL H	250 SX	50:50:2
					CL H	470 SX	50:50:2 +2% CaCl ₂

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used)

Shots Per Foot	Specify Footage of Each Interval Perforated	Depth
4 SPF	6216'-6234'	6216'-
		6234' O.A.

TUBING RECORD Size 2-7/8" Set At 6272' Packer At NONE Liner Run Yes XX No

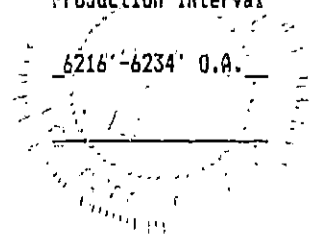
Date of First Production JULY 29, 1988 Producing Method Flowing XX Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	<u>85</u> Bbls	<u>310</u> MCF	<u>3</u> Bbls	<u>3647</u> CFPB	<u>42</u>

METHOD OF COMPLETION

Disposition of gas: Vented Open Hole XX Perforation
XX Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

Production Interval



MOBIL DAILY DRILLING REPORT

WELL BELL UT #8 RIG UNIT # 19 CODE # 6 DAYS FROM SPUD 1 DATE 5-28-88
 AFE BALM/27448 COUNTY STEVENS STATE KS PROP. TD. 6400
 DEPTH 2280 PROGRESS 2218 DRILL TIME 11 1/2 BC 12
 CASING 8 5/8 " 21750' SHOE TEST 13 ppg FMW BOP 5-27-88
 STATUS DRLG AHEAD 2280 FORMATION RED CAVE

MUD:	
TIME	0630
WT.	8.6
FUN'L VIS	28
PV/YP	1/2
GELS0/10	1/1
API WL	NC
HT WL	-
PH	8.0
OIL %	0
SOLIDS%	2.5
SAND %	TRC
CL PPM	1500
MP/LCM	0
VELNOZ	352 I.F. 380
ANNVEL: DC	303 DP 142

BITS:		
NO.	1 RT	2
SIZE	12 1/4	7 7/8
MAKE	SMITH	SMITH
TYPE	SAS	F-17
JETS	13 CENT 2-16 15	B-12-12
BIT WT	10/60	85 1/10
RPM	140	95/100
PMP PRESS	1600	1600
PMP STKS	62/64	62
GPM	513	242
HOURS RUN	6 1/4	5 1/4
FOOTAGE	1680	538
DEPTH OUT	1750	-
CONDITION	B-7-F	-
SER. NO.	K23091	KE7276

SURVEYS:			
DEPTH	DEV.	DIR.	
1750	1°		

DRILL MUD UNITED
 MATERIAL USAGE:
 PG14 GEL 15 SK
 PC31 LIME 3 SK

GAS: _____
 BG NA
 TRP _____
 CONN _____

ROP(FPH) 268.8 102.5
 BOTTOM HOLE ASSEMBLY:
 BIT, 27-6 7/8" DC, XD
 BHA: 82492

DAILY MUD COST 388
 TOTAL 388
 COSTS:
 DAILY 55,971
 TOTAL 55,971

FROM	TO	HRS.	DRLG CODE
0730	1345	6 1/4	210
1345	1400	1/4	420
1400	1445	3/4	420
1445	1515	1/2	420
1515	1530	1/4	240
1530	1615	3/4	410
1615	1800	1 3/4	440
1800	1830	1/2	445
1830	1945	1 1/4	450
1945	2130	1 3/4	465
2130	2245	1 1/4	470
2245	2300	1/4	470
2300	2345	3/4	220

REMARKS
 AUG 15 1988
 SPUD WELL 0730 HRS 5-27-88; DRILL TO 1750'
 CIRC + COND Wichita, Kansas
 9 STD SHORT TRIP TO COLLARS (NO FILL)
 CIRC + COND F/8 5/8" CSG
 DROP SERV
 TOH, L/D 3-8" DC + 1 JT DP
 R/U TRI-STATE CSG + RUN 43 JTS 24" K-55 STXC
 TO 1750'.
 R/U WESTERN, INSTALL CMT HEAD + CIRC
 CMT w/ WESTERN, 615 SK "C" LITE 65 CMT: 35 POR:
6 GEL + 3% CaCl₂, 150 SK "C" + 270 CaCl₂, 30 BBLs TO SURF.
 SEE CMT REPORT - (FLOAT HELD)
 OUT OF CSG, WELD ON 8 5/8" 11" 3000# CSG HD, TEST - OK
 N/U BOP'S
 TEST BLIND RAMS + CHOKE MANIFOLD TO 1300 PSI
 P/U BHC + BIT #2, T1H

PHONE TALK (316) 624-8998 SUPERVISOR M. J. MAGNER
MOBILE (316) 624-0057

MOBIL DAILY DRILLING REPORT

PAGE 2 OF 2

WELL BELL UT #3 RIG UNIT # 19 CODE # 6 DAYS FROM SPUD 1 DATE 5-28-88
 AFE BALM/2744B COUNTY STEVENS STATE KS PROP. TD. 6400'
 DEPTH 2288' PROGRESS 2218' DRILL TIME 11 1/2 BC 12
 CASING 8 3/8 @ 1750 SHOE TEST 13 ppq EMW BOP 3-27-88
 STATUS DRLG AHEAD @ 2288' FORMATION RED CLAY

MUD:
 TIME
 WT.
 FUN'L VIS
 PV/YP
 GELS₉₀/10
 API WL
 HT WL
 pH
 OIL %
 SOLIDS %
 SAND %
 CL PPM
 FLT
 VELNOZ _____ I.F. _____
 ANNVEL: DC _____ DP _____

BITS:

NO.	SIZE	MAKE	TYPE	JETS	BIT WT	RPM	PMP PRESS	PMP STKS	GPM	HOURS RUN	FOOTAGE	DEPTH OUT	CONDITION	SER. NO.

SURVEYS:

DEPTH	DEV.	DIR.

DRILLMUD UNITED MATERIAL USAGE:

GAS: _____ BOTTOM HOLE ASSEMBLY: _____
 BG _____
 TRP _____
 CONN _____

DAILY MUD COST 388
 TOTAL 388
 COSTS:
 DAILY 55,971
 TOTAL 55,971

FROM	TO	MRS.	DRLG CODE
2345	2400	1/4	470
2400	0030	1/2	480
0030	0045	1/4	210
0045	0100	1/4	490
0100	0600	5	210

REMARKS

TEST PIPE RAMS @ 1500 PSI ; HYDRIL @ 1000 PSI ;
DRLG PLUG INSERT + 5' GMT , TEST CSG TO 1000 PSI ;
DRLG GMT @ SHOE .
DRLG 1750 - 1760
TEST FORM TO 400 PSI = 13 PPQ EMW
DRLG 1760 - 2288

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 AUG 1 5 1988
 CONSERVATION DIVISION
 Wichita, Kansas

PHONE ^{TRK} (316) 544-8998 SUPERVISOR M. J. MAGNER
 MOBILE (316) 024-0057

MUDLOG USE INFORMATION CENTER
PRIMARY CASING CEMENTING JOB REPORT

WELL NAME BELL UT # 3 LOCATION Sec 15-355-36 W COUNTY STEVENS STATE KS
 WELL DEPTH 1750 BIT SIZE 12 1/4 AVG. CALIPER HOLE SIZE --- MAX. DEVIATION 1° MUD TYPE LSND
 MUD WT. NAH^BVIS PV/TP 1 API WL --- LAST CSG. SIZE, WT., DEPTH 14" -- 60'

CASING DATA (list weights/grades in order run)

SIZE	WEIGHT	GRADE	CONN.	NO. JTS.	LENGTH
<u>8 5/8 (8.097" ID)</u>	<u>24</u>	<u>K-55</u>	<u>ST&C</u>	<u>43</u>	<u>1752.97</u>
---	---	---	---	---	---
---	---	---	---	---	---

TOTAL

SETTING DEPTH: 1750 SHOE JOINT LENGTH: 21.08 DV TOOL DEPTH: NA

RUNNING SPEED/JT., LAST 1/3 STRING 15 SEC FULL RETURNS RUNNING CSG? YES TIME TO INSTALL HEAD 10 MIN
 TIME CIRC. BEFORE CEMENTING 20 MIN CIRC. PRESS. 350 at 513 gpa.

PICK UP WEIGHT 55 M SLACK OFF WEIGHT 48 M CASING LANDING WT. LESS HOOK, BLOCK LOAD: 40 M

CEMENTING AIDS (No., type, and location of centralizers, scratchers, baskets, DV tools, etc.)

6 GEMCO SRLO CENTRALIZER, FIRST TWO JTS (2) EVERY JT TO 1400 (4)
7X PATERN SHOES, GEMCO 1012 AFU INSERT (TOP OF 1ST JT), STRAP WELDED
SHOE + FIRST COLLAR UP.

REMARKS (unusual hole conditions - fill, drag, lost circ. etc.)

CEMENT DATA:

Stage #	Lead/Tail	Class	Additives	Yield	Water Req.	# Sacks	Slurry Wt.
<u>1</u>	<u>LEAD</u>	<u>C</u>	<u>LITE 65 CNT, 35 PDZ, 6 GEL + 370 CaCl₂</u>	<u>1.99</u>	<u>10.97</u>	<u>615</u>	<u>12.4</u>
<u>1</u>	<u>TAIL</u>	<u>C</u>	<u>+ 270 CaCl₂</u>	<u>1.33</u>	<u>6.32</u>	<u>150</u>	<u>14.8</u>

	1ST STAGE	2ND STAGE	3RD STAGE
Calc Cement Top	<u>SURF</u>		
Preflush Type & Amount	<u>20 BBL H₂O</u>		
Bottom Plug?	<u>NO</u>		
Top Plug?	<u>YES</u>		
Washed Up Lines To Displace?	<u>YES</u>		
Type & Amount Of Displacement	<u>110 BBL H₂O</u>		
Flow Regime (turb, laminar, plug)	<u>LAM</u>		
Cement Mix Time	<u>52 MIN</u>		
Displacement Time	<u>22 MIN</u>		
Full Circ? (if not, describe below)*	<u>YES</u>		
Max Press Before Plug Bumped	<u>550</u>		
Press Plug Bumped At	<u>1000</u>		
Time Plug Down	<u>1749</u>		
Pipe Worked Recip. Or Rotate	<u>REIP</u>		
Cement Returns To Surf? Volume?	<u>YES, 30 BBL</u>		
Floats Held?	<u>YES</u>		

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 Wichita, Kansas

CEMENTING COMPANY WESTERN RATING (1 bad - 10 excellent)

* REMARKS ON LOST CIRC. WHILE CEMENTING, JOB PERFORMANCE, ETC.: SOME DENSITY PROBS WHEN

SWITCHING TIERS; GOOD JOB OVERALL.

W. J. WAGNER 5-27-88
 DRILLING SUPERVISOR DATE

WELL BELL UT #3 RIG UNIT #19 CODE# 6 DAYS FROM SPUD 2 DATE 5-29-88
 AFE BALM/2748 COUNTY STEVENS STATE KS PROP. TD. 6400
 DEPTH 3820 PROGRESS 1532 DRILL TIME 23 1/4 DC 12
 CASING 8 5/8 @ 1750 SHOE TEST 13 ppq EMW BOP 5-27-88
 STATUS DRLG AHEAD @ 3820' FORMATION ADMI.F.E

MUD:
 TIME
 WT.
 FUN'L VIS
 PV/YP
 GELS^o/10
 API WL
 HT WL
 PH
 OIL %
 SOLIDS %
 SAND %
 CL PPM
 VELNOZ 352 I.F. 387
 ANNVEL: DC 303 DP 142

0645	
8.8	
29	
2/2	
1/2	
NC	
-	
8.0	
0	
3.7	
TRC	
1900	
2	

BITS:
 NO.
 SIZE
 MAKE
 TYPE
 JETS
 BIT WT
 RPM
 PMP PRESS
 PMP STKS
 GPM
 HOURS RUN
 FOOTAGE
 DEPTH OUT
 CONDITION
 SER. NO.
 KOP (PPH) 68.9/24 hrs 72.6/oa

2		
7 7/8		
SMITH		
F-17		
B-12-12		
52		
92		
1600		
62		
242		
28 1/2		
2070		
..		
..		
KE7276		

SURVEYS:

DEPTH	DEV.	DIR.

DRILLMUD UNITED
 MATERIAL USAGE:
 PC14 GEL 985K
 PC25 9/8HULLS 585K
 PC31 LIME 95K
 PC45 5/ASH 15K
 PC37 ASP700 2 CANS

DAILY MUD COST 1266
 TOTAL 1657
 COSTS:
 DAILY 6373
 TOTAL 62,344

GAS:
 BG NA
 TRP
 CONN
 BOTTOM HOLE ASSEMBLY:
7 7/8" BIT, 27-6 3/8 DC, XO
 BHA = 824.92

FROM	TO	HRS.	DRLG CODE
0600	0700	1	210
0700	0715	1/4	290
0715	1500	7 3/4	210
1500	1515	1/4	290
1515	2300	7 3/4	210
2300	2315	1/4	290
2315	0600	6 3/4	210

REMARKS

DRLG 2288-2375 87

SERV. RIG

DRLG 2375-2920 70.2

SERV RIG

DRLG 2920-3355 ; LOST CIRC. @ 56.1

2988-3005 125 BBL

3039-3050 100 BBL

3071-3082 100 BBL

SERV RIG

DRLG 3355-3820 ; LOST CIRC. @ 66.9

3692-3718 110 BBL

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 STATE GEOLOGICAL SURVEY COMMISSION
 WICHITA, KANSAS
 AUG 15 1988
 MUD LOSS IN 24 HRS = 435 BBL
 TOTAL F.WELL = 435 BBL

CONSERVATION DIVISION
 Wichita, Kansas

PHONE JRLR (316) 544-8998 SUPERVISOR M. J. WAGNER
 MOBILE (316) 624-0057

MOBIL DAILY DRILLING REPORT

WELL BEL UT #3 RIG UNIT # 19 CODE # 6 DAYS FROM SPUD 3 DATE 5-30-88
 AFE BALM/27448 COUNTY STEVENS STATE KS PROP. TD. 6400
 DEPTH 4920' PROGRESS 1100' DRILL TIME 23 1/4 DC 12
 CASING 8 5/8" 1750 SHOE TEST 13 ppg EMW BOP 5-27-88
 STATUS DRILL AHEAD TO 4920' FORMATION KANSAS CITY

MUD:
 TIME
 WT.
 FUN'L VIS
 PV/YP
 GELS₀/10
 API WL
 HT WL
 PH
 OIL %
 SOLIDS %
 SAND %
 CL PPM
 FKF_{6CM}
 VELNOZ 352 I.F. 298
 ANNVEL: DC 303 DP 142

0700	
9.0	
30	
3/4	
2/3	
36.5	
-	
8.5	
0	
4.8	
TBC	
600	
1	

BITS:
 NO.
 SIZE
 MAKE
 TYPE
 JETS
 BIT WT
 RPM
 PMP PRESS
 PMP STKS
 GPM
 HOURS RUN
 FOOTAGE
 DEPTH OUT
 CONDITION
 SER. NO.

2		
7 3/8		
SMITH		
F-17		
8-12-12		
52		
80/92		
1600		
62		
247		
51 3/4		
3170		
-		
-		
KE 7276		

SURVEYS:

DEPTH	DEV.	DIR.
NA		

DRILL MUD UNITED
 MATERIAL USAGE:
 PC 14 GEL 125 BX
 PC 45 5/ASH 25X
 PC 07 CAVE 820
 PC 15 P551400 85X
 PC 25 0/5MULE 366X

DAILY MUD COST 1052
 TOTAL 2706
 COSTS:
 DAILY 6168
 TOTAL 68,512

GAS:
 BG 12
 TRP -
 CONN -
 BOTTOM HOLE ASSEMBLY:
 BIT, 27-6 3/8 IX, X0
 BHA = 824.92

FROM	TO	HRS.	DRLG CODE
0600	0700	1	210
0700	0715	1/4	290
0715	1500	7 3/4	210
1500	1515	1/4	290
1515	2300	7 3/4	210
2300	2315	1/4	290
2315	0600	6 3/4	210

REMARKS

DRLG 3820 - 3875 88

SERV RIG

DRLG 3875 - 4257 41.3

SERV RIG

DRLG 4257 - 4660 LOST PARTIAL RETURNS 52

4652-60 (50 BBLs) LOST

SERV RIG

DRLG 4660 - 4920 38.5

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 AUG 15 1988
 CONSERVATION DIVISION
 Wichita, Kansas

MUD LOSS IN 24 HRS = 50 BBL
 TOTAL F/WELL = 485 BBL

PHONE TRUR (316) 544-8998 SUPERVISOR M. J. MAGNER
MOBILE (316) 624-0057

MOBIL DAILY DRILLING REPORT

WELL BELL UT #3 RIG UNIT # 19 CODE # 6 DAYS FROM SPUD 4 DATE 5-31-88
 AFE BALM/27448 COUNTY STEVENS STATE KS PROP. TO. 6400'
 DEPTH 552.5 PROGRESS 605 DRILL TIME 10 1/4 DC 12
 CASING 8 5/8 @ 1750' SHOE TEST 13 APP EMW BOP 5-27-88
 STATUS DRLG AHEAD @ 552.5 FORMATION CHEKREE

MUD:
 TIME
 WT.
 FUN'L VIS
 PV/YP
 GELS₀/10
 API WL
 HT WL
 PH
 OIL %
 SOLIDS %
 SAND %
 CL PPM
 PPT CCM
 VELNOZ 217 I.F. 360
 ANNVEL: DC 303 DP 142

0855	
9.1	
36	
7/12	
3/12	
18	
-	
8.5	
0	
5.4	
TFC	
900	
3	

BITS:
 NO.
 SIZE
 MAKE
 TYPE
 JETS
 BIT WT
 RPM
 PMP PRESS
 PMP STKS
 GPM
 HOURS RUN
 FOOTAGE
 DEPTH OUT
 CONDITION
 SER. NO.

2	3	
7 7/8	7 7/8	
SMITH	REGD	
F-17	HP-53	
B-12-12	B-12-13	
52	52	
92	92	
1650	1650	
62	62	
242	242	
66	4	
3658	117	
5408	-	
5-6-14	-	
KE7276	811256	

SURVEYS: 20% SH 20% CS

DEPTH	DEV.	DIR.
5408	1 1/4"	

DEILMUD UNITED
 MATERIAL USAGE:
 PC 14 GEL 87 SY
 PC 07 CAUS 3 SY
 PC 15 PSS/400 7 SY
 PC 25 5/8 HULLS 50 SY

DAILY MUD COST 1001
 TOTAL 3707
 COSTS:
 DAILY 5536
 TOTAL 74,248

GAS:
 BG 6-10
 TRP 225
 CONN -

POP(FPH) 55.4 29.3
 BOTTOM HOLE ASSEMBLY:
 BIT, 27-6 3/8 DC, X0
 BHG = 824.92

FROM	TO	HRS.	DRLG CODE
0600	0700	1	210
0700	0715	1/4	290
0715	1500	7 3/4	210
1500	1515	1/4	290
1515	2045	5 1/2	210
2045	2100	1/4	240
2100	0030	3 1/2	220
0030	0130	1	220
0130	0200	1/2	830
0200	0600	4	210

REMARKS

DRLG 4920-4970 50

SERV RIG

DRLG 4970-5251 36.3

SERV RIG

DRLG 5251-5408 28.5

DROP SERV

POH W/ BIT #2 ; T.H. W/ BIT #3 RECEIVED

REAM 68' STATE OIL & GAS COMMISSION

WASH 5' + REAM TO BOT AUG 15 1988

DRLG 5408 = 552.5 29.5

CONSERVATION DIVISION
Wichita, Kansas

NO MUD LOSS IN 24 HRS

TOTAL F/WELL = 485 BBL

TOPS: HELBNEIN 4835 ; LANSING 4386

FORMATION SOB4 ; CHEKREE 5276

PHONE TELR (316) 544-8928 SUPERVISOR W. J. MAGNER
 MOBILE (316) 624-0057

MOBIL DAILY DRILLING REPORT

WELL Bell UT #3 RIG UNIT 19-6 DAYS FROM SPUD 5 DATE 6-1-88
 AFE BALM/2744A COUNTY STEVENS STATE KS PROP. TD. 6400
 DEPTH 6180 PROGRESS 655 DRILL TIME 23 1/4 BC 12
 CASING 2 7/8 @ 1750 SHOE TEST 13 ppq RMW BOP S-27-88
 STATUS Drill Ahead FORMATION L. CHESTER

MUD:
 TIME 0600
 WT. 9.2
 FUN'L VIS 45
 PV/YP 10/16
 GEL_{90/10} 7/12
 API WL 10.2
 HT WL -
 pH 8.5
 OIL % -
 SOLIDS% 6.0
 SAND % TR
 CL PPM 856
 FLT LCM 1

	0600	
	9.2	
	45	
	10/16	
	7/12	
	10.2	
	-	
	8.5	
	-	
	6.0	
	TR	
	856	
	1	

BITS:
 NO. 3
 SIZE 7 7/8
 MAKE REED
 TYPE HP53
 JETS B-12-B
 BIT WT 53
 RPM 92
 PMP PRESS 1500
 PMP STKS .58
 GPM 256
 HOURS RUN 27 1/4
 FOOTAGE 772
 DEPTH OUT 5114
 CONDITION 5114
 SER. NO. B11256

	3	
	7 7/8	
	REED	
	HP53	
	B-12-B	
	53	
	92	
	1500	
	.58	
	256	
	27 1/4	
	772	
	5114	
	5114	
	B11256	

SURVEYS:

DEPTH	DEV.	DIR.

MATERIAL USAGE:
Gel- PC14 - 72
C/S Huls- PC25 - 40
CAUSTIC - PC07 1
ASP 700-PC15 - 1
PS 1400-PC15 - 4

GAS: 3-8
 BG 3-8
 TRP -
 CONN -

BOTTOM HOLE ASSEMBLY:
BIT - 27 X 6 1/4" D.C. - X-0
L = 824.92

DAILY MUD COST 935
 TOTAL 4642
 COSTS:
 DAILY 9370
 TOTAL 82418

START	END	HRS.	OPER. CODE	PROB. CODE	REMARKS
<u>0600</u>	<u>0700</u>	<u>1</u>	<u>210</u>		<u>Drill 5525-5550</u>
<u>0700</u>	<u>0715</u>	<u>1/4</u>	<u>290</u>		<u>Serv. Rig</u>
<u>0715</u>	<u>1500</u>	<u>7 3/4</u>	<u>210</u>		<u>Drill 5550-5774</u>
<u>1500</u>	<u>1515</u>	<u>1/4</u>	<u>296</u>		<u>Serv. Rig</u>
<u>1515</u>	<u>2300</u>	<u>7 3/4</u>	<u>210</u>		<u>Drill 5774-5998</u>
<u>2300</u>	<u>2315</u>	<u>1/4</u>	<u>290</u>		<u>Serv. Rig</u>
<u>2315</u>	<u>0600</u>	<u>6 3/4</u>	<u>210</u>		<u>Drill 5998-6180</u>
					<u>Tops - Morrow-5710</u>
					<u>L. Morrow-5952</u>
					<u>Morrow S.S. - 5998</u>
					<u>CHESTER - 6024</u>
					<u>No mud LOSSES - TOTAL = 485 bbl.</u>

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 STATE CORPORATION COMMISSION
 STATE OPERATIONS DIVISION
 AUG 15 1988
 CONSERVATION DIVISION
 Wichita, Kansas

PHONE 316-544-8998 SUPERVISOR S. S. Lewis
316-624-0771 (mobile)

MOBIL DAILY DRILLING REPORT

WELL Bell UT #3 RIG UNIT 19-6 DAYS FROM SPUD 6 DATE 6-2-88
 AFE BALM/27448 COUNTY STEVENS STATE KS PROP. TD. 6400
 DEPTH 6400 PROGRESS 220 DRILL TIME 10 1/2 BC 12
 CASING 8 7/8 @ 1750 SHOE TEST 13 ppq EMW BOP 5-27-88
 STATUS TIH TO C+C MUD FORMATION St. Louis

MUD:
 TIME
 WT.
 FUN'L VIS
 PV/YP
 GELS_{0/10}
 API WL
 HT WL
 PH
 OIL %
 SOLIDS %
 SAND %
 CL PPM
 FLT LHM
 VELNOZ 317 I.F. 366
 ANNVEL: DC 259 DP 133

3550	
9.1	
38	
3/12	
4/10	
18.4	
-	
8.0	
-	
5.4	
TR	
750	
TR	

BITS:
 NO.
 SIZE
 MAKE
 TYPE
 JETS
 BIT WT
 RPM
 PMP PRESS
 PMP STKS
 GPM
 HOURS RUN
 FOOTAGE
 DEPTH OUT
 CONDITION
 SER. NO.

3		
7 7/8		
REED		
HP53		
B-12-13		
52		
80		
1450		
58		
226		
37 3/4		
992		
6400		
2-2-2		
B11256		

SURVEYS:
 DEPTH DEV. DIR.

6363	3°	

MATERIAL USAGE:

Gel-PC14-20
 C/S Halls-PC25-10
 CAUSTIC-PC07-1
 PSS1400-PC15-1

GAS:
 BG
 TRP
 CONN

BOTTOM HOLE ASSEMBLY:
 BIT- 27 x 6 1/4" DC - X-O
 L= 824.92

ROP = 26.3 FPH

DAILY MUD COST 216
 TOTAL 4258
 COSTS:
 DAILY 19,010
 TOTAL 101,428

START	END	HRS.	OPER. CODE	PROB. CODE	REMARKS
0600	0700	1	210		Drill 6180-6200
0700	0715	1/4	290		Serv Rig
0715	1500	7 3/4	210		Drill 6200-6362
1500	1515	1/4	290		Serv. Rig
1515	1700	1 3/4	210		Drill 6362-6400
1700	1800	1	350		Circ. Samples
1800	1830	1/2	321		1 STD. Short Trip - 8' Fill
1830	1930	1	321		C+C mud FOR LOGS
1930	2145	2 1/4	320		Drop Svy - POOH
2145	0430	6 3/4	310		Reup Schl. - Log - #1 - DL/GR #2 - LDT/CNL/ML/EPT - GR
0430	0600	1 1/2	410		TIH - Break circ. @ 3550'

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 Wichita, Kansas

PHONE 316-594-8998
316-624-0671 (mobile)

SUPERVISOR E. S. Lewis

MOBIL DAILY DRILLING REPORT

WELL Bell UT #3 RIG UNIT 19-6 DAYS FROM SPUD 7 DATE 6-3-88
AFE BALM 29448 COUNTY STEVENS STATE KS PROP. TD. 6400
DEPTH 6400 PROGRESS --- DRILL TIME --- BC 12
CASING 5 1/2 @ 6400 SHOE TEST N/A BOP N/A
STATUS FINAL REPORT FORMATION N/A

MUD:
TIME
WT.
FUN'L VIS
PV/YP
GELS₀/10
API WL
HT WL
PH
OIL %
SOLIDS%
SAND %
CL PPM
FLT
VELNOZ --- I.F. ---
ANNVEL: DC --- DP ---

BITS:
NO.
SIZE
MAKE
TYPE
JETS
BIT WT
RPM
PMP PRESS
PMP STKS
GPM
HOURS RUN
FOOTAGE
DEPTH OUT
CONDITION
SER. NO.

SURVEYS:

DEPTH	DEV.	DIR.

MATERIAL USAGE:
NONE

GAS:
BG ---
TRP ---
CONN ---

BOTTOM HOLE ASSEMBLY:
N/A

DAILY MUD COST 216
TOTAL 4858
COSTS:
DAILY 72.961
TOTAL 74,389

START	END	HRS.	OPER. CODE	PROB. CODE	REMARKS
<u>0600</u>	<u>0630</u>	<u>1/2</u>	<u>416</u>		<u>Final THT TO 6400' (10' FILL)</u>
<u>0630</u>	<u>0800</u>	<u>1 1/2</u>	<u>420</u>		<u>Circ + Cond Hole For CSQ.</u>
<u>0800</u>	<u>1030</u>	<u>2 1/2</u>	<u>850</u>		<u>Wait on ORDERS</u>
<u>1030</u>	<u>1345</u>	<u>3 1/4</u>	<u>411</u>		<u>L/D D.P., DC + Kelly</u>
<u>1345</u>	<u>1630</u>	<u>2 3/4</u>	<u>440</u>		<u>Blup CSQ. Crew- Run 150 JTS = 6405'</u> <u>5 1/2" 14 # K-SS CSQ.</u>
<u>1630</u>	<u>1730</u>	<u>1</u>	<u>445</u>		<u>Blup D.S + circ.</u>
<u>1730</u>	<u>1830</u>	<u>1</u>	<u>450</u>		<u>CMT 1ST STAGE AS PER CMT. Report</u>
<u>1830</u>	<u>1945</u>	<u>1 1/4</u>	<u>445</u>		<u>Drop Bomb open D.V. + Circ.</u>
<u>1945</u>	<u>2030</u>	<u>3/4</u>	<u>450</u>		<u>CMT 2nd STAGE AS PER CMT. Report</u>
<u>2030</u>	<u>2230</u>	<u>2</u>	<u>520</u>		<u>N/D BOP - SET SLIPS - CMT CSEI.</u>
<u>2230</u>	<u>0130</u>	<u>3</u>	<u>521</u>		<u>SET PITS</u>

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PHONE 316-544-8998 SUPERVISOR S.F. Lewis
316-624-0071

F.C. @ 6382'
D.V. @ 3310

AUG 15 1988
CONSERVATION DIVISION
Wichita, Kansas

PRIMARY CASING CEMENTING JOB REPORT

WELL NAME Bell VI #3 LOCATION 15-335-25 W COUNTY STEVENS STATE KS
 WELL DEPTH 6400' BIT SIZE 7 7/8 AVG. CALIPER HOLE SIZE 8 1/2 MAX. DEVIATION 3° MUD TYPE LSND
 MUD WT. 9.1 VIS 38 PV/YP 7/12 API WL 18.4 LAST CSG. SIZE, WT., DEPTH 8 5/8, 24, 1750
 CASING DATA (list weights/grades in order run)

SIZE	WEIGHT	GRADE	CONN.	NO. JTS.	LENG.
<u>8 1/2</u>	<u>14</u>	<u>K-55</u>	<u>STC</u>	<u>150</u>	<u>6405</u>
---	---	---	---	---	---
---	---	---	---	---	---

SETTING DEPTH: 6400 SHOE JOINT LENGTH: 18 TOTAL DV TOOL DEPTH: 3310

RUNNING SPEED/JT., LAST 1/3 STRING 15 sec. FULL RETURNS RUNNING CSG? YES TIME TO INSTALL HEAD 5 min.
 TIME CIRC. BEFORE CEMENTING 45 min. CIRC. PRESS. 300 at 256 spm.

PICK UP WEIGHT 95 M SLACK OFF WEIGHT 85 M CASING LANDING WT. LESS HOOK, BLOCK LOAD: 7.5 M
 CEMENTING AIDS (No., type, and location of centralizers, scratchers, baskets, DV tools, etc.)
CENT. ON 1ST 2 JT + Every 3rd JT to 5200' (9 TOTAL) - DV Tool E
310 - CENT ABOVE + BELOW DV + Every 3rd JT 2000' (13 TOTAL)

REMARKS (unusual hole conditions - fill, drag, lost circ. etc.) N/A

CEMENT DATA:

Stage #	Lead/Tail	Class	Additives	Yield	Water Req.	# Sacks	Slurry Wt.
<u>1</u>		<u>H</u>	<u>50:50:2 POF (2% Gel TOTAL)</u>	<u>1.26</u>	<u>5.75</u>	<u>250</u>	<u>14.2</u>
<u>2</u>		<u>H</u>	<u>50:50:2 POF (2% Gel + 2% CaCl₂)</u>	<u>1.26</u>	<u>5.75</u>	<u>470</u>	<u>14.2</u>
---	---	---	---	---	---	---	---

	1ST STAGE	2ND STAGE	3RD STAGE
Calc Cement Top	<u>5200</u>	<u>2140</u>	
Reflush Type & Amount	<u>20 BBL H₂O</u>	<u>20 BBL H₂O</u>	
Bottom Plug?	<u>NO</u>	<u>NO</u>	
Top Plug?	<u>YES</u>	<u>YES</u>	
Washed Up Lines To Displace?	<u>YES</u>	<u>NO</u>	
Type & Amount Of Displacement	<u>156 bbl MUD, H₂O</u>	<u>81 bbl H₂O</u>	
Flow Regime (turb, laminar, plug)	<u>TRANS.</u>	<u>TRANS.</u>	
Cement Mix Time	<u>10 min</u>	<u>19 min.</u>	
Displacement Time	<u>39 min</u>	<u>17 min</u>	
Full Circ? (if not, describe below)	<u>YES</u>	<u>YES</u>	
Max Press Before Plug Bumped	<u>600</u>	<u>800</u>	
Press Plug Bumped At	<u>1900</u>	<u>1900</u>	
Time Plug Down	<u>1834 6-2-88</u>	<u>2030 6-2-88</u>	
Pipe Worked Recip. Or Rotate	<u>RECIP</u>	<u>NO</u>	
Cement Returns To Surf? Volume?	<u>NO</u>	<u>NO</u>	
Loads Held?	<u>YES</u>	<u>YES</u>	

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 WICHITA, KANSAS
 AUG 15 1988

CEMENTING COMPANY Dowell-Schl. RATING (1 bad - 10 excellent) 7
 REMARKS ON LOST CIRC. WHILE CEMENTING, JOB PERFORMANCE, ETC.: Good Job.

S. S. Lewis 6-2-88
 DRILLING SUPERVISOR DATE