

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6546
Name Bellwether Exploration Company
Address 600 17th Street
Suite 400 N
City/State/Zip Denver, CO 80202

Purchaser Diamond Shamrock/KOCH
Tony Sharp - Denver, CO
(303)623-1067

Operator Contact Person Frank Bennett - Oberlin, KS
Phone (913)475-3029

Contractor: License # 5302
Name Red Tiger

Wellsite Geologist Allen Munroe
Phone (303)674-5110

Designate Type of Completion

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

12/26/85 01/04/86 02/24/86
Spud Date Date Reached TD Completion Date
3854' 3720'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 206 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2104 feet
If alternate 2 completion, cement circulated
from feet depth to w/SX cmt

(alternate 2) NOT CEMENTED AS OF THIS REPORTING

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 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.

Signature [Signature] Title Manager of Operations Date 04/18/86

Subscribed and sworn to before me this 18th day of April 1986
Notary Public [Signature]

Date Commission Expires 4-15-89

API NO. 15-039-20788-000-0000
County Decatur
SW SE NW Sec 10 Twp 2S Rge 27 East West

2970 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

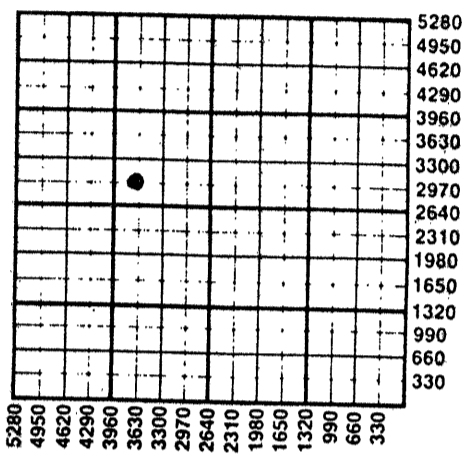
Lease Name R. Wilson Well # 1-10

Field Name Unnamed Monaghan, North

Producing Formation Lansing

Elevation: Ground 2612 KB 2617

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East 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. #)

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

APR 24 1986

CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

Sec 10 Twp 2 S Rge 27 W

SIDE TWO

Operator Name Bellwether Exploration Company Lease Name R. Wilson Well # 1-10

Sec. 10 Twp. 2S Rge. 27 East West County Decatur

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

Formation Description
 Log Sample

See Attached

| Name | Top | Bottom |
|--------------|-------|--------|
| Anhydrite | 2122' | |
| Heebner SH. | 3402' | |
| Lansing LS. | 3446' | |
| Swope LS. | 3602' | |
| B.K.C. | | 3683' |
| Cherokee | 3776' | |
| Granite Wash | 3820' | |
| Granite | 3838' | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 | 206 | 60/40 POZ | 170 | 3% CC |
| Production | 7-7/8" | 4-1/2" | 10.5 | 3763 | 60/40 POZ | 170 | 2% Gel 10% NaCl |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| 4 | 3512-15' | | | N/A | | | |
| Anchor | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Size | Set At | Packer at | | | | | |
| 2-3/8" | 3559' | 3460' | | | | | |
| Date of First Production | Producing Method | | | | | | |
| 02/24/86 | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... | | | | | | |
| Estimated Production Per 24 Hours | Oil | Gas | Water | Gas-Oil Ratio | Gravity | | |
| | 69 Bbls | < 1 (est.) MCF | 20 Bbls | < 14.5 (est) CFPB | 33 | | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) Lansing
 Used on Lease Dually Completed
 Single Zone

DRILL STEM TEST #1

Depth Interval: 3403' to 3465'
Formation Tested: Lansing A

| PERIOD | PRESSURES | TIME | BLOW |
|---------------------|--------------------------|---------|--------|
| Initial Hydrostatic | 1726 P.S.I. | | |
| Initial Flow | 30 P.S.I. to 151 P.S.I. | 15 min. | 3½"-8" |
| Initial Shut-in | 1099 P.S.I. | 45 min. | |
| Final Flow | 151 P.S.I. to 532 P.S.I. | 60 min. | 2"-3" |
| Final Shut-in | 1099 P.S.I. | 90 Min. | |
| Final Hydrstatic | 1676 P.S.I. | | |

PIPE RECOVERY: 250' watery mud with a few oil specks, 750' water,
1000' Total Fluid

B.H.T. 100°

Sample Chamber: 2500cc water with a few oil specks, Chlorides 74640 ppm

DRILL STEM TEST #2

Depth Interval: 3481' to 3505'
Formation Tested: Lansing C

| PERIOD | PRESSURES | TIME | BLOW |
|---------------------|------------------------|---------|-----------|
| Initial Hydrostatic | 1796 P.S.I. | | |
| Initial Flow | 30 P.S.I. to 40 P.S.I. | 30 min. | 1"-1 3/4" |
| Initial Shut-in | 1110 P.S.I. | 45 min. | |
| Final Flow | 50 P.S.I. to 80 P.S.I. | 60 min. | 1"-2¼" |
| Final Shut-in | 1110 P.S.I. | 90 min. | |
| Final Hydrostatic | 1696 P.S.I. | | |

PIPE RECOVERY: 80' Clean Oil, 30' HOCM, 110' Total Fluid

B.H.T. 100°

Sample Chamber: 1400 ml Oil, 1100 ml Water, Chlorides 55,960 ppm

DRILL STEM TEST #3

Depth Interval: 3598' to 3630'
Formation Tested: Lansing G

| PERIOD | PRESSURES | TIME | BLOW |
|---------------------|------------------------|---------|---------|
| Initial Hydrostatic | 1706 P.S.I. | | |
| Initial Flow | 30 P.S.I. to 30 P.S.I. | 15 min. | weak ¼" |
| Initial Shut-in | 790 P.S.I. | 45 min. | |
| Final Flow | 30 P.S.I. to 30 P.S.I. | 45 min. | none |
| Final Shut-in | 601 P.S.I. | 90 min. | |
| Final Hydrostatic | 1676 P.S.I. | | |

PIPE RECOVERY: 5' HOCM, 20% Oil, 80% Mud

B.H.T. 102°

Sample Chamber: 500ml Oil, 1800 ml Mud

RECEIVED
STATE CORPORATION COMMISSION

APR 24 1980

CONSERVATION DIVISION
Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

7 Hrs.

| | | | | | |
|------------|----------------|----------------|-----------------------------|-----------------|---------------|
| RIG NO. #2 | FARM R. Wilson | WELL NO. #1-10 | COMPANY Bellwether Exp. Co. | PUSHER WAGGONER | DATE 12-26-85 |
|------------|----------------|----------------|-----------------------------|-----------------|---------------|

| FOR 8 HOURS ENDING AT 7:30 A.M. | | | | FOR 8 HOURS ENDING AT 3:30 P.M. | | | | FOR 8 HOURS ENDING AT 11:30 P.M. | | | |
|---------------------------------|--|-------------|--|---------------------------------|--|-------------|--|----------------------------------|--|-------------------|--|
| HOURS RUN: | | HOURS LOST: | | HOURS RUN: | | HOURS LOST: | | HOURS RUN: 3 1/2 | | HOURS LOST: 4 1/2 | |
| CAUSE OF TIME LOST: | | | | CAUSE OF TIME LOST: | | | | CAUSE OF TIME LOST: | | | |

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|----|-----------|------|---------------------|----|-----------|------|---------------------|-----|-----------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| | | | | | | | | 0 | 216 | SHALE | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | | | | | | |
|-----------------------------|------|---------|-----------------------------|------|---------|---|------|-----------|
| BIT RUN (KIND) (NO.) | | | BIT RUN (KIND) (NO.) | | | BIT RUN (KIND) DT (NO.) 1 | | |
| NO. OF HOURS RUN ROCK BIT: | | | NO. OF HOURS RUN ROCK BIT: | | | NO. OF HOURS RUN ROCK BIT: 3 1/2 | | |
| CONE NOS. | SIZE | SET NO. | CONE NOS. | SIZE | SET NO. | CONE NOS. RETIP R.R. SIZE 12 1/4 | SIZE | SET NO. 1 |
| JOINTS OF PIPE IN HOLE SIZE | | | JOINTS OF PIPE IN HOLE SIZE | | | JOINTS OF PIPE IN HOLE SIZE | | |
| MUD USED (KIND AND AMOUNT): | | | MUD USED (KIND AND AMOUNT): | | | MUD USED (KIND AND AMOUNT): 2430-PEEM gel | | |
| AQUAGEL | | | AQUAGEL | | | AQUAGEL | | |
| HULLS | | | HULLS | | | HULLS | | |
| ZEOGEL | | | ZEOGEL | | | ZEOGEL | | |
| OTHER | | | OTHER | | | OTHER | | |

| | | |
|--|---|--|
| DAY WORK (CORING, CIRCULATING, ETC.): Dig collar + Ditches Help Rig up | DAY WORK (CORING, CIRCULATING, ETC.): load out and M.E.R.T. | DAY WORK (CORING, CIRCULATING, ETC.): FINISH RIGGING UP. DRUG RAT HOLE @ 10:00, SPUD @ 10:30 Start Running 8 5/8" pipe |
| CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): |

| | | |
|----------|----------|----------|
| REMARKS: | REMARKS: | REMARKS: |
| | | |
| | | |

| NAME OF EMPLOYEE | | NAME OF EMPLOYEE | | NAME OF EMPLOYEE | |
|---------------------|--------------|----------------------|--------------|--------------------|--------------|
| Mike Hageman | 8 | TOM NICHOLAS | 8 | | |
| Bill Rempe | 8 | Bob LeFort | 10 | DON AMOS | 8 |
| Mick Barth | 8 | MITCH KLEIN | 10 | STEVE KERNS | 8 |
| SIGNED Mark Kreller | 8 DRILLER | SIGNED MIKE WAGGONER | - DRILLER | SIGNED DAVID KERNS | 8 DRILLER |

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 STATE CORPORATION COMMISSION
 APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bellwether Exploration Co. ^{F11} Wagoner DATE 12-27-85

| | | |
|---|--|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. | FOR 8 HOURS ENDING AT 3:30 P.M. | FOR 8 HOURS ENDING AT 11:30 P.M. |
| HOURS RUN: HOURS LOST: | HOURS RUN: <u>1</u> HOURS LOST: <u>7</u> | HOURS RUN: <u>4 1/2</u> HOURS LOST: <u>3 1/2</u> |
| CAUSE OF TIME LOST: <u>Below</u> | CAUSE OF TIME LOST: <u>Below</u> | CAUSE OF TIME LOST: <u>Below</u> |

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|----|-----------|------|---------------------|------------|--------------|------|---------------------|-------------|--------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| | | | | <u>216</u> | <u>222</u> | <u>SHALE</u> | | <u>216</u> | <u>1006</u> | <u>SHALE</u> | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | |
|--|---|---|
| BIT RUN (KIND) (NO.) | BIT RUN (KIND) <u>03J</u> (NO.) | BIT RUN (KIND) <u>03J</u> (NO.) <u>1</u> |
| NO. OF HOURS RUN ROCK BIT: | NO. OF HOURS RUN ROCK BIT: <u>1</u> | NO. OF HOURS RUN ROCK BIT: <u>8 1/2</u> |
| CONE NOS. SIZE SET NO. | CONE NOS. <u>M29257</u> SIZE SET NO. | CONE NOS. <u>M29257</u> SIZE <u>7 7/8</u> SET NO. <u>1</u> |
| JOINTS OF PIPE IN HOLE SIZE | JOINTS OF PIPE IN HOLE SIZE | JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> |
| MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): |
| AQUAGEL | AQUAGEL | AQUAGEL |
| HULLS | HULLS | HULLS |
| ZEOGEL | ZEOGEL | ZEOGEL |
| OTHER | OTHER | OTHER |

| | | |
|--|---|--|
| DAY WORK (CORING, CIRCULATING, ETC.): <u>Finish Running 8 5/8 pipe Run 5 Jts New 8 5/8 20th Pipe - Jt at 199' set 206' cemented w/ 3% CC cement did circ. Job comp @ 12:10 P.M.; Change oil in pump;</u> | DAY WORK (CORING, CIRCULATING, ETC.): | DAY WORK (CORING, CIRCULATING, ETC.): <u>DRESS tool jts lost 3/4 IN. SHALE Pit @ 1006'</u> |
| CASING RECORD (SIZE, CEMENT, ETC.): <u>170 sks 60/40 P2</u> | CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): |
| REMARKS: <u>Tear Draw works down to work on Brake cooling system.</u> | REMARKS: <u>FINISHED Fixing cooling system on Draw works, Nipped up; set sample box drilled PLUG @ 1:30</u> | REMARKS: <u>RIG</u> |

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|---|---------------------------------------|--|
| <u>Mike Hageman</u> 8 | <u>Bob LEFORT</u> 8 | <u>TOM NICHOLAS</u> 8 |
| <u>Bill Rempe</u> 8 | <u>MITCH KLEIN</u> 8 | <u>STEVE KERNS</u> 8 |
| <u>Mick Barth</u> 8 | <u>BLAID MAHONEY</u> 8 | <u>DON AMOS</u> 8 |
| SIGNED <u>Mark Kreller</u> 8 DRILLER | SIGNED <u>JOE BECKER</u> 8 DRILLER | SIGNED <u>DAVID KERNS</u> 8 DRILLER |

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 STATE CORPORATION COMMISSION
 APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

SAT

RIG NO. 2 FARM R Wilson WELL NO. 1-10 COMPANY Bellwether Exploration Co. PUSHER Waggoner DATE 12-28-85

| | | |
|---|---|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. HOURS RUN: <u>6 1/4</u> HOURS LOST: <u>1 3/4</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 3:30 P.M. HOURS RUN: <u>5 3/4</u> HOURS LOST: <u>2 1/4</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 11:30 P.M. HOURS RUN: <u>3 3/4</u> HOURS LOST: <u>4 1/4</u> CAUSE OF TIME LOST: <u>Below</u> |
|---|---|--|

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|------|--------------|------|---------------------|------|--------------------|------|---------------------|------|------------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| 1006 | 1625 | shale + sand | | 1625 | 1819 | shale w/ red beds | | 2043 | 2124 | shale + red beds | |
| | | | | 1819 | 1912 | SAND (cedar hills) | | 2124 | 2155 | ANHYDRITE | |
| | | | | 1912 | 2043 | shale | | 2155 | 2202 | shale | |

| | | |
|--|--|--|
| BIT RUN (KIND) <u>03J</u> (NO.) <u>1</u> NO. OF HOURS RUN ROCK BIT: <u>11 3/4</u> CONE NOS. <u>M29257</u> SIZE <u>7/8</u> SET NO. <u>1</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL <u>Prem gel - 25</u> HULLS <u>Hulls - 10</u> ZEOGEL <u>Mud seal - 10</u> OTHER | BIT RUN (KIND) <u>03J</u> (NO.) <u>1</u> NO. OF HOURS RUN ROCK BIT: <u>17 1/4</u> CONE NOS. <u>M29257</u> SIZE <u>7/8</u> SET NO. <u>1</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL <u>20-premgel</u> HULLS <u>10-hulls</u> ZEOGEL <u>10-mud seal</u> OTHER <u>10-mud seal</u> | BIT RUN (KIND) <u>03J/582F</u> (NO.) <u>1/2</u> NO. OF HOURS RUN ROCK BIT: <u>20 1/2</u> CONE NOS. <u>M29257/445796</u> SIZE <u>7/8</u> SET NO. <u>1/2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER |
|--|--|--|

| | | |
|---|---|--|
| DAY WORK (CORING, CIRCULATING, ETC.): CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>rig</u> | DAY WORK (CORING, CIRCULATING, ETC.): CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>Pig work on annular lost 1/4"</u> | DAY WORK (CORING, CIRCULATING, ETC.): CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>Bit trip @ 2171' Bit #1 cut 1955' in 20 3/4" STRAP PIPE.</u> |
|---|---|--|

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|-------------------------------|--------------------------------|------------------------------|
| Mike Hageman 8 | Joe Becker 8 | TOM NICHOLAS 8 |
| Bill Rempe 8 | Bob Lofort 8 | STEVE KERNS 8 |
| Mick Barth 8 | Mitch Klien 8 | DON AMOS 8 |
| SIGNED Mark Kreller 8 DRILLER | SIGNED Mike Waggoner 8 DRILLER | SIGNED DAVID KERNS 8 DRILLER |

STATE CORPORATION COMMISSION
APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

JUN.

| | | | | | |
|-------------|----------------|-----------------|-----------------------------|-----------------|---------------|
| RIG NO. # 2 | FARM R. Wilson | WELL NO. # 1-10 | COMPANY BELLWETHER Exp. Co. | PUSHER WAGGONER | DATE 12-29-85 |
|-------------|----------------|-----------------|-----------------------------|-----------------|---------------|

| | | |
|--|---------------------------------|----------------------------------|
| FOR 8 HOURS ENDING AT 7:30 A.M. | FOR 8 HOURS ENDING AT 3:30 P.M. | FOR 8 HOURS ENDING AT 11:30 P.M. |
| HOURS RUN: 6 ³ / ₄ HOURS LOST: 1 ¹ / ₄ | HOURS RUN: 7 HOURS LOST: 1 | HOURS RUN: 7 HOURS LOST: 1 |
| CAUSE OF TIME LOST: Below | CAUSE OF TIME LOST: Below | CAUSE OF TIME LOST: Below |

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|------|-----------|------|---------------------|------|-----------|------|---------------------|------|--------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| 2202 | 2500 | SHALE | | 2500 | 2825 | SHALE | | 2825 | 3053 | SHALE w/LIME | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | |
|--|--|--|
| BIT RUN (KIND) 582F (NO.) 2 | BIT RUN (KIND) 582F (NO.) 2 | BIT RUN (KIND) 582F (NO.) 2 |
| NO. OF HOURS RUN ROCK BIT: 7 ³ / ₄ | NO. OF HOURS RUN ROCK BIT: 14 ³ / ₄ | NO. OF HOURS RUN ROCK BIT: 21 ³ / ₄ |
| CONE NOS. 445796 SIZE 7 ⁷ / ₈ SET NO. 2 | CONE NOS. 445796 SIZE 7 ⁷ / ₈ SET NO. 2 | CONE NOS. 445796 SIZE 7 ⁷ / ₈ SET NO. 2 |
| JOINTS OF PIPE IN HOLE SIZE 4 ¹ / ₂ | JOINTS OF PIPE IN HOLE SIZE 4 ¹ / ₂ | JOINTS OF PIPE IN HOLE SIZE 4 ¹ / ₂ |

| | | |
|-----------------------------|-----------------------------|-----------------------------|
| MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): |
| AQUAGEL | AQUAGEL | AQUAGEL |
| HULLS | HULLS | HULLS |
| ZEOGEL | ZEOGEL | ZEOGEL |
| OTHER | OTHER | OTHER |

| | | |
|--|---|---------------------------------------|
| DAY WORK (CORING, CIRCULATING, ETC.): REPLACE GASKET ON MUD PUMP. LOST 1/2 HR. | DAY WORK (CORING, CIRCULATING, ETC.): SHALE Pit @ 2574 DACK Pit @ 2606 | DAY WORK (CORING, CIRCULATING, ETC.): |
|--|---|---------------------------------------|

| | | |
|-------------------------------------|-------------------------------------|-------------------------------------|
| CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): |
|-------------------------------------|-------------------------------------|-------------------------------------|

| | | |
|--------------|--------------|--------------|
| REMARKS: RIG | REMARKS: RIG | REMARKS: RIG |
|--------------|--------------|--------------|

| NAME OF EMPLOYEE | | NAME OF EMPLOYEE | | NAME OF EMPLOYEE | |
|-------------------|--------------|----------------------|--------------|--------------------|--------------|
| MIKE NAGEMAN | 8 | MITCH KLEIN | 8 | TOM NICHOLAS | 8 |
| BILL REMPE | 8 | BOB LEFORT | 8 | JOE GELLER | 8 |
| MICK BARTH | 8 | BRAD MANONEY | 8 | STEVE KERNS | 8 |
| SIGNED JOE BECKER | 8 DRILLER | SIGNED MIKE WAGGONER | 8 DRILLER | SIGNED DAVID KERNS | 8 DRILLER |

STATE CORPORATION COMMISSION
 APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

MON

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bellwether Expl. Co. PUSHER 61 DATE 12-30-85

| | | |
|---|---|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. HOURS RUN: <u>6 1/4</u> HOURS LOST: <u>1 1/2</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 8:30 P.M. HOURS RUN: <u>7 1/4</u> HOURS LOST: <u>3/4</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 11:30 P.M. HOURS RUN: <u>4</u> HOURS LOST: <u>4</u> CAUSE OF TIME LOST: <u>Below</u> |
|---|---|--|

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|------|---------------|------|---------------------|------|-----------|------|---------------------|------|------------------------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| 3053 | 3223 | Shale/ur lime | | 3223 | 3390 | lime | | 3390 | 3465 | LIME | |
| | | | | | | | | | | 3 3/4 hrs. Co. TIME | |
| | | | | | | | | | | OFS @ 3465' 1 hr. SHORT TRIP | |

| | | |
|---|---|--|
| BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>2 8/14</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>3 6/14</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | BIT RUN (KIND) <u>J 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>4 0/2</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> |
|---|---|--|

| | | |
|---|--|--|
| MUD USED (KIND AND AMOUNT): AQUAGEL <u>2 - Soda Ash</u> HULLS <u>5 - Prem Gel</u> ZEOGEL <u>1 - caustic</u> OTHER | MUD USED (KIND AND AMOUNT): AQUAGEL <u>4 1/2 - Prem gel</u> HULLS <u>5 - soda ash</u> ZEOGEL <u>5 - caustic</u> OTHER <u>2 - solknuk</u> | MUD USED (KIND AND AMOUNT): <u>12 - PREM. GEL</u> AQUAGEL HULLS ZEOGEL OTHER |
|---|--|--|

| | | |
|--|--|--|
| DAY WORK (CORING, CIRCULATING, ETC.): <u>Shale pit @ 3166</u> <u>Back pit @ 3198 Check Wash in</u> <u>ump lost 1/4 hr.</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>4 - liquite</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>OFS @ 3465' 1 hr.</u> <u>STRAP PIPE, HOPE TEST. DEPT 1 3/4</u> <u>hrs. SHORT trip, PULLED 24 STDS</u> |
|--|--|--|

| | | |
|--|--|--|
| CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>rig</u> | CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>Rig</u> | CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>Rig</u> |
|--|--|--|

| NAME OF EMPLOYEE | | NAME OF EMPLOYEE | | NAME OF EMPLOYEE | |
|---------------------|--------------|---------------------|--------------|--------------------|--------------|
| Mitch Klein | 8 | Joe Becker | 8 | TOM NICHOLAS | 8 |
| Bob LaFort | 8 | Bob LaFort | 8 | JOE GELLER | 8 |
| Mick Barth | 8 | Tim Thompson | 8 | STEVE KERNS | 8 |
| SIGNED Mark Kreller | 8 DRILLER | SIGNED Mike Wagoner | 8 DRILLER | SIGNED DAVID KERNS | 8 DRILLER |

STATE CORPORATION COMMISSION
APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

TUES.

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bellweather Expl. Co. PUSHER Waggoner DATE 12-31-85

| | | |
|---|---|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 3:30 P.M. HOURS RUN: <u>3/4</u> HOURS LOST: <u>7/4</u> CAUSE OF TIME LOST: <u>below</u> | FOR 8 HOURS ENDING AT 11:30 P.M. HOURS RUN: <u>2 3/4</u> HOURS LOST: <u>5 1/4</u> CAUSE OF TIME LOST: <u>Below</u> |
|---|---|--|

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|----|---------------------------------|------|---------------------|-------------|----------------------------|------|---------------------|-------------|-------------------------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| <u>3465</u> | | | | <u>3465</u> | <u>3474</u> | <u>Lime</u> | | <u>3474</u> | <u>3505</u> | <u>LIME</u> | |
| | | <u>8 hr CO Time</u> | | | | <u>7 1/4 hrs. Co. Time</u> | | | | <u>5 Hrs. Co. Time</u> | |
| | | <u>3403-3465</u> | | | | <u>3/4 hr. Cond hole</u> | | | | <u>CES @ 3505' 1 1/2 Hrs.</u> | |
| | | <u>1 1/2 hr. Condition Hole</u> | | | | <u>6 hrs. DST #1</u> | | | | <u>DST #2, 3 1/2 Hr.</u> | |

| | | |
|---|--|---|
| BIT RUN (KIND) (NO.) NO. OF HOURS RUN ROCK BIT: CONE NOS. SIZE SET NO. JOINTS OF PIPE IN HOLE SIZE MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER | BIT RUN (KIND) <u>582F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>4 1/4</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER | BIT RUN (KIND) <u>582F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>44</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER |
|---|--|---|

| | | |
|---|---|--|
| DAY WORK (CORING, CIRCULATING, ETC.): <u>Cond. Hole 1 1/2 hr</u> <u>Slope Test 3/4° DUT For DST #1 3403'</u> <u>3465' Strip Pipe O.K. IN Hole with</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>Tool; OP. 15 steady</u> <u>Building Blow SI 45 OP 45 steady Building</u> <u>Blow.</u> REMARKS: <u>rig Change oil in Drawworks</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>Op 15 si 90</u> <u>Rec. 1000' muddy water IF-30</u> <u>151- F51-151-532 151-1099</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>F51-1099</u> <u>0.3 1/2" / 8 1/2" @ 11:30pm Cond hole</u> REMARKS: <u>Rig</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>CES @ 3505'</u> <u>1 1/2 Hrs. DST #2, 3481-3505' Tool</u> <u>OP 15 min.</u> CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>RIG</u> |
|---|---|--|

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|---|--|---------------------------------------|
| <u>Mitch Klein</u> 8 | <u>Joe Becker</u> 8 | <u>TOM NICHOLAS</u> 8 |
| <u>Bill Rempe</u> 8 | <u>Bob LeFort</u> 8 | <u>JOE GELLER</u> 8 |
| <u>Mick Rath</u> 8 | <u>Tim Thomson</u> 8 | <u>STEVE KERN</u> 8 |
| SIGNED <u>Mark Kriller</u> 8 DRILLER | SIGNED <u>Mike Waggoner</u> 8 DRILLER | SIGNED <u>DAVID KERN</u> 8 DRILLER |

RECEIVED
 STATE CORPORATION COMMISSION
 APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

Wed

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bellwether Expl. CO. PUSHER Waggoner DATE 1-1-86

| | | |
|---|---|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 3:30 P.M. HOURS RUN: <u>3 1/2</u> HOURS LOST: <u>4 1/2</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 11:30 P.M. HOURS RUN: <u>3 1/2</u> HOURS LOST: <u>4 1/2</u> CAUSE OF TIME LOST: <u>Below</u> |
|---|---|--|

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|----|----------------------------|------|---------------------|-------------|---------------------------|------|---------------------|-------------|---------------------------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| <u>3505</u> | | | | <u>3505</u> | <u>3575</u> | | | <u>3575</u> | <u>3630</u> | <u>LIME</u> | |
| | | <u>8 hr CO Time DST #2</u> | | | | <u>3/4 HR. CO. TIME</u> | | | | <u>4 1/4 Hrs. Co. Time</u> | |
| | | | | | | <u>1/4 Hr. DST #2</u> | | | | <u>CFS @ 3630' 1 hr. DST #3</u> | |
| | | | | | | <u>1/2 Hr. COND. HOLE</u> | | | | <u>3 1/4 Hrs. DST #3</u> | |

| | | |
|--|---|---|
| BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER DAY WORK (CORING, CIRCULATING, ETC.): <u>DST #2 3481-</u> <u>3505 OP 15 SI 45 OP 60 SI 90 Rec.</u> <u>clean oil 30' Heavy oil cut Mud; IE</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>30-40 ISF 1110 F.F.</u> <u>50-80 FSI 1110 In Hole with B.t.</u> REMARKS: <u>rig</u> | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>47 1/2</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): <u>40 - prem gel</u> AQUAGEL <u>24 - HULLS</u> HULLS <u>4 - MULTI SEAL</u> ZEOGEL <u>2 - Caustic 5 - and SEAL</u> OTHER <u>2 - Lig. 1/2 - SALKWIK</u> DAY WORK (CORING, CIRCULATING, ETC.): <u>IN HOLE w/Bit</u> <u>on Bottom @ 7:20 COND. HOLE</u> <u>1/2 Hr. Lost Returns @ 3522</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>Lost 3 1/2 Hrs</u> <u>Mixing Mud</u> REMARKS: <u>Rig</u> | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: <u>51</u> CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER DAY WORK (CORING, CIRCULATING, ETC.): <u>CFS @ 3630' 1 hr.</u> <u>DST #3, 3598'-3630'</u> CASING RECORD (SIZE, CEMENT, ETC.): REMARKS: <u>Rig</u> |
|--|---|---|

| NAME OF EMPLOYEE | | NAME OF EMPLOYEE | | NAME OF EMPLOYEE | |
|----------------------------|----------|--------------------------|----------|---------------------------|----------|
| <u>Robert LeFort</u> | <u>8</u> | BRAD MAHONEY | <u>8</u> | <u>TOM NICHOLAS</u> | <u>8</u> |
| <u>Bill Rempe</u> | <u>8</u> | <u>BRAD MAHONEY</u> | <u>8</u> | <u>JOE GELLER</u> | <u>8</u> |
| <u>Mitch Klein</u> | <u>8</u> | <u>ROBERT LEFORT</u> | <u>8</u> | <u>MITCH KLEIN</u> | <u>8</u> |
| <u>SIGNED Mark Kreller</u> | <u>8</u> | <u>TIM THOMPSON</u> | <u>8</u> | <u>SIGNED DAVID KERNS</u> | <u>8</u> |
| DRILLER | | <u>SIGNED JOE BECKER</u> | <u>8</u> | DRILLER | |
| | | DRILLER | | | |

FULLY
 STATE CORPORATION EMISSION
APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

Thur

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bell Weather Expl. Co PUSHER Waggoner DATE 1-2-86

| | | |
|--|--|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. | FOR 8 HOURS ENDING AT 3:30 P.M. | FOR 8 HOURS ENDING AT 11:30 P.M. |
| HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> | HOURS RUN: <u>3</u> HOURS LOST: <u>5</u> | HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> |
| CAUSE OF TIME LOST: <u>Below</u> | CAUSE OF TIME LOST: <u>below</u> | CAUSE OF TIME LOST: <u>Below</u> |

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|----|----------------------------|------|---------------------|------|---|------|---------------------|----|---|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| 3630 | | | | 3630 | 3690 | Lime | | 3690 | | LIME | |
| | | <u>8 hr Co Time DST #3</u> | | | | <u>4 hrs. Co. Time</u> | | | | <u>8 hrs. Co. Time</u> | |
| | | <u>DST #3 3598-3630</u> | | | | <u>(2 1/2 hrs. Cond hole, CFS 2 1/4 hrs. DST #3 trip out for Log)</u> | | | | <u>1 1/2 hrs. Trip out for Log 6 1/2 hrs. Logging & W.O. Deck</u> | |

| | | |
|--|---|-----------------------------|
| BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> | BIT RUN (KIND) (NO.) |
| NO. OF HOURS RUN ROCK BIT: | NO. OF HOURS RUN ROCK BIT: <u>5 1/2</u> | NO. OF HOURS RUN ROCK BIT: |
| CONE NOS. <u>445796</u> SIZE <u>7/8</u> SET NO. <u>2</u> | CONE NOS. <u>445796</u> SIZE <u>7/8</u> SET NO. <u>2</u> | CONE NOS. SIZE SET NO. |
| JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | JOINTS OF PIPE IN HOLE SIZE |
| MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): <u>20 - perm gel 1 - caustic 1 - lignite 1/2 - sol quik</u> | MUD USED (KIND AND AMOUNT): |
| AQUAGEL | AQUAGEL | AQUAGEL |
| HULLS | HULLS | HULLS |
| ZEOGEL | ZEOGEL | ZEOGEL |
| OTHER | OTHER | OTHER |

| | | |
|---|--|---|
| DAY WORK (CORING, CIRCULATING, ETC.): <u>DST #3 3598-3630 O.P. 15 weak Blow Drill 12 min SI</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>Finished going in hole w/ bit bridge @ 3598</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>out of Hole For Log. Slope test 1° W.O.O. 3 1/2 hrs.</u> |
| <u>OP. 45 No Blow Flush Tool no Help</u> | <u>reamed @ 36 1/2 bit @ 8:30 AM</u> | <u>Logging 3 hrs.</u> |
| CASING RECORD (SIZE, CEMENT, ETC.): <u>SI 90 Rec 5'</u> | CASING RECORD (SIZE, CEMENT, ETC.): <u>Cond hole 2 1/2</u> | CASING RECORD (SIZE, CEMENT, ETC.): |
| <u>Heavy oil cut mud IF 30-30 ISI</u> | <u>Start out for Log @ 2:30 pm</u> | |
| REMARKS: <u>rig B. + Heavy Fluid</u> | REMARKS: | REMARKS: |
| <u>Loss w/ tool on bottom</u> | | |

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|--------------------------------------|-------------------------------------|-------------------------------------|
| <u>Robt LeFort</u> 8 | <u>Joe Becker</u> 8 | <u>TOM NICHOLAS</u> 8 |
| <u>Bill Rempe</u> 8 | <u>Bob LeFort</u> 8 | <u>STEVE KERNS</u> 8 |
| <u>Mick Barth</u> 8 | <u>Tim Thomson</u> 8 | <u>MITCH KLEIN</u> 8 |
| SIGNED <u>Mark Kreller</u> 8 DRILLER | SIGNED <u>Mike Waggoner</u> DRILLER | SIGNED <u>DAVID KERNS</u> 8 DRILLER |

STATE CORPORATION COMMISSION
APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

Fri

RIG NO. 2 FARM R. Wilson WELL NO. 1-10 COMPANY Bellwether Expl. Co. PUSHER Waggoner DATE 1-3-86

| | | |
|--|--|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. | FOR 8 HOURS ENDING AT 3:30 P.M. | FOR 8 HOURS ENDING AT 11:30 P.M. |
| HOURS RUN: <u>3</u> HOURS LOST: <u>5</u> | HOURS RUN: <u>4 1/4</u> HOURS LOST: <u>3 3/4</u> | HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> |
| CAUSE OF TIME LOST: <u>Below</u> | CAUSE OF TIME LOST: <u>below</u> | CAUSE OF TIME LOST: <u>Below</u> |

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------|------|--|------|---------------------|------|--------------------------|------|---------------------|----|---------------------------------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| 3690 | 3743 | Lime/shale | | 3743 | 3854 | Lime | | 3854 | | Lime | |
| | | <u>1/4 hr Co Time</u> | | | | <u>3 1/2 hrs Co Time</u> | | | | <u>8 HRS. Co. time</u> | |
| | | <u>1 3/4 hr W.O. 1/2 hr sand Hole</u> | | | | <u>3 1/2 hrs. CFS</u> | | | | <u>out of Hole to LOG, LOG,</u> | |
| | | <u>2 hr Run B 7/8 in After Log + Busted Val.</u> | | | | | | | | <u>W.O.O.</u> | |

| | | |
|--|--|--|
| BIT RUN (KIND) <u>S82 F</u> (NO.) <u>2</u> | BIT RUN (KIND) <u>S82 F</u> (NO.) <u>2</u> | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> |
| NO. OF HOURS RUN ROCK BIT: <u>57</u> | NO. OF HOURS RUN ROCK BIT: <u>61 1/4</u> | NO. OF HOURS RUN ROCK BIT: |
| CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> | CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> | CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> |
| JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> | JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> |

| | | |
|------------------------------|-----------------------------|-----------------------------|
| MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): | MUD USED (KIND AND AMOUNT): |
| AQUAGEL <u>10 - Prem Gel</u> | AQUAGEL | AQUAGEL |
| HULLS <u>4 - Mud Seal</u> | HULLS | HULLS |
| ZEOGEL | ZEOGEL | ZEOGEL |
| OTHER | OTHER <u>4 - mud 50A</u> | OTHER |

| | | |
|--|---|--|
| DAY WORK (CORING, CIRCULATING, ETC.): <u>W.O.O. 1 3/4 hr</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>CFS 3793' 1/4 hr</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>out of Hole For</u> |
| <u>In hole after log on Bottom w/ R. to</u> | <u>CFS 3808' 1 hr. CFS 3854' 1 1/2 hrs log, LOGGING, W.O.O. 2 HR.</u> | <u>LOGGING, W.O.O. 2 HR.</u> |
| <u>1 5 sand Hole 2 hr</u> | | |

| | | |
|-------------------------------------|-------------------------------------|-------------------------------------|
| CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): | CASING RECORD (SIZE, CEMENT, ETC.): |
| | | |

| | | |
|--|---------------------|---------------------|
| REMARKS: <u>Rig lost 1/2 hr work on Tang</u> | REMARKS: <u>Rig</u> | REMARKS: <u>Rig</u> |
| <u>latch</u> | | |

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|---|--|--|
| <u>Mike Hegeman</u> 8 | <u>Joe Becker</u> 8 | <u>TOM NICHOLAS</u> 8 |
| <u>Bill Rempe</u> 8 | <u>Bob LeFort</u> 8 | <u>JOE GELLER</u> 8 |
| <u>Mick Barth</u> 8 | <u>Tim Thomson</u> 8 | <u>STEVE KERNS</u> 8 |
| SIGNED <u>Mark Kreller</u> 8 DRILLER | SIGNED <u>Mike Waggoner</u> 8 DRILLER | SIGNED <u>DAVID KERNS</u> 8 DRILLER |

STATE CORPORATION COMMISSION
APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas

**RED TIGER DRILLING COMPANY
DAILY DRILLING REPORT**

SPT

RIG NO. 2 FARM R Wilson WELL NO. 1-10 COMPANY Bellwether Expl. Co. PUSHER Waggoner DATE 1-4-86

| | | |
|---|---|--|
| FOR 8 HOURS ENDING AT 7:30 A.M. HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 3:30 P.M. HOURS RUN: <u>8</u> HOURS LOST: <u>8</u> CAUSE OF TIME LOST: <u>Below</u> | FOR 8 HOURS ENDING AT 11:30 P.M. HOURS RUN: <u>0</u> HOURS LOST: <u>8</u> CAUSE OF TIME LOST: <u>Below</u> |
|---|---|--|

| RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | | RECORD OF HOLE MADE | | | |
|---------------------------------|-----------|-----------------------|------|-------------------------------|----------------------|-----------|------|--|----|-----------|------|
| FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET | FROM | TO | FORMATION | FEET |
| <u>3854</u> | <u>10</u> | <u>8 hr. CO. Time</u> | | <u>3 3/4</u> | <u>Hrs. Co. Time</u> | | | <u>3 1/4 hrs. Co. Time</u> | | | |
| <u>2 hr. w.o. In Hole w/Bit</u> | | | | <u>3 3/4 hrs. W.O. Orders</u> | | | | <u>(3/4 hr. Cond hole thru casing)</u> | | | |
| <u>Condition Hole 3 1/2 hr.</u> | | | | | | | | | | | |

| | | |
|---|--|---|
| BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER | BIT RUN (KIND) <u>S 82 F</u> (NO.) <u>2</u> NO. OF HOURS RUN ROCK BIT: CONE NOS. <u>445796</u> SIZE <u>7 7/8</u> SET NO. <u>2</u> JOINTS OF PIPE IN HOLE SIZE <u>4 1/2</u> MUD USED (KIND AND AMOUNT): AQUAGEL <u>4-1/2 qt.</u> HULLS <u>For casing mud</u> ZEOGEL OTHER | BIT RUN (KIND) (NO.) NO. OF HOURS RUN ROCK BIT: CONE NOS. SIZE SET NO. JOINTS OF PIPE IN HOLE SIZE MUD USED (KIND AND AMOUNT): AQUAGEL HULLS ZEOGEL OTHER <u>Cond hole 3/4 hr thru casing</u> |
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| DAY WORK (CORING, CIRCULATING, ETC.): <u>W.O.O 2 hr In Hole w/Bit to condition Hole For casing; cond. Hole 3 1/2 hr.</u> CASING RECORD (SIZE, CEMENT, ETC.): | DAY WORK (CORING, CIRCULATING, ETC.): <u>Wait on order 7:15 AM to 10:45 AM Layed down drill pipe 10:45 AM to 11:45 PM</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>Collar work 1/2 rig up to run 1/2 started running 1/2 2:30 PM to 4:30 PM</u> | DAY WORK (CORING, CIRCULATING, ETC.): <u>RAW 90 lbs 4 1/2"</u> CASING RECORD (SIZE, CEMENT, ETC.): <u>2 3/4" cement w/1705x 6 3/4" P.C. 2 1/2 GEL, 10% SALT, 3/4% CER-2, 1/4% D-AIR, 1/2 LB. FLOCCS PER SK. PLUG DOWN @ 5:50.</u> |
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REMARKS:

| NAME OF EMPLOYEE | NAME OF EMPLOYEE | NAME OF EMPLOYEE |
|---|--|---|
| <u>Mike Hageman</u> 8 | <u>BRAD MAHONEY</u> 8 | <u>TOM NICHOLAS</u> 10 |
| <u>Bill Rempe</u> 8 | <u>BOB LEFORT</u> 8 | <u>JOE GELLER</u> 10 |
| <u>Mick Barth</u> 8 | <u>TIM THOMPSON</u> 8 | <u>Mitch Klein</u> 10 |
| SIGNED <u>Mark Kreller</u> 8 DRILLER | SIGNED <u>MIKE WAGGONER</u> DRILLER | SIGNED <u>DAVID KERNS</u> 10 DRILLER |

STATE CORPORATION COMMISSION
 APR 24 1986
 CONSERVATION DIVISION
 Wichita, Kansas