

36-9-195

KANSAS CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 9761 name Jerry Lutz address Route U.S. 131 South Reed City, Michigan 49677 City/State/Zip 913-863-2922

Operator Contact Person Tom W. Stander Phone 913-841-5366

Contractor: license # 6792 name Caney Valley Drilling, Inc.

Wellsite Geologist Tom W. Stander Phone 913-841-5366

PURCHASER Ross-Pope Drilling Equip., G., Inc. Mineral Wells, Tx. 76067

- Oil, Gas, Dry, SWD, Inj, Other (Core, Water Supply etc.), Temp Abd, Delayed Comp.

If OWWO: old well info as follows: Operator, Well Name, Comp. Date, Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary, Air Rotary, Cable. Spud Date, Date Reached TD, Completion Date

Total Depth, PBT, Amount of Surface Pipe Set and Cemented at 164 feet

Multiple Stage Cementing Collar Used? Yes, No

If Yes, Show Depth Set feet

If alternate completion, cement circulated from 1666 feet depth to surface w/ 260 SX cmt

API NO. 15 - 087-20,134

County Jefferson

NE, NW, NW (location) Sec 36, Twp 9S, Rge 19 East West

4950 Ft North from Southeast Corner of Section 4290 Ft West from Southeast Corner of Section (Note: locate well in section plat below)

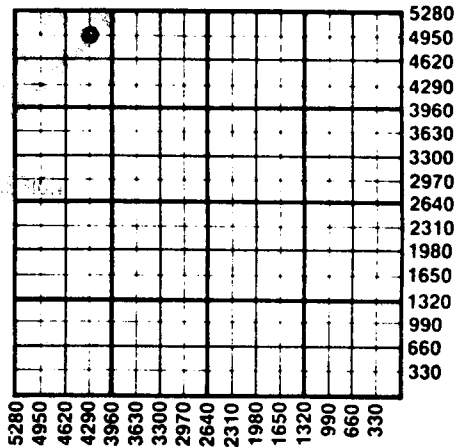
Lease Name Vanderweide Well# 2

Field Name McLouth

Producing Formation Lower McLouth

Elevation: Ground 1118.1' ASB GL KB

Section Plat



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WATER SUPPLY INFORMATION

Source of Water: Division of Water Resources Permit # N/A

Groundwater Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West

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

Disposition of Produced Water: Disposal, Repressuring

Docket #

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. Rules 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 confidentiality in excess of 12 months.

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 fully abandoned wells.

SIDE TWO

Operator Name Jerry Lutz Lease Name Vanderweide Well# 2 SEC. 36 TWP. 9S RGE. 19

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

Name Top Bottom

See attached sheet.

See attached sheet.

| | | | | | |
|-----------------------------------|--|------------------|--------|---------------|--|
| TUBING RECORD | | size <u>none</u> | set at | packer at | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First Production | Producing method <input checked="" type="checkbox"/> flowing <input 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 |
| | 0 | 175 | 0 | 0 | - |
| | Bbls | MCF | Bbls | CFPB | |

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)

PRODUCTION INTERVAL

Dually Completed.
 Commingled

| 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 1/2" | 8.5/8" | 19.5 | 164 | Portland | 90 | 3% cal. |
| Production | 6.3/4" | 4 1/2" | 9.5 | 1115 | Poz. Mix. | 200 | 6% gilsonite 5% salt |
| | | | | 1666 | OWC | 60 | |

| PERFORATION RECORD | | Acid, Fracture, Shot, Cement Squeeze Record | |
|---------------------------|---|--|-------|
| shots per foot | specify footage of each interval perforated | (amount and kind of material used) | Depth |
| 3 | 1569-1577 | treated 200 gal. 10% acid | 1569 |

DRILLERS LOG

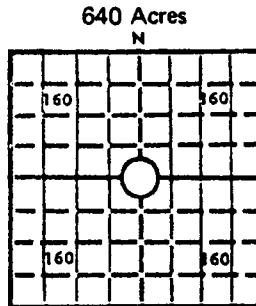
S. 36 T. 9 R. 19 E
W

API No. 15 - 087 - 20,134
County Number

Loc. NE 1/4 NW 1/4 NW 1/4

County Jefferson

| | |
|--|----------------------------------|
| Operator Jerry Lutz | |
| Address Route 131 South Reed City, Michigan 49677 | |
| Well No. 2 | Lease Name Vanderweide |
| Footage Location 4950 feet from (N) (S) line 4290 feet from (E) (W) line of Sec. | |
| Principal Contractor Caney Valley Drilling Co. | Geologist Tom Stander |
| Spud Date 3-6-85 | Total Depth 1770' |
| Date Completed 3-14-85 | Oil Purchaser |



Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------------|-------|----------------------------|
| SURFACE | 12 1/4" | 8-5/8" | | 164' | Portland | 90 | 3% cal. |
| PRODUCTION | 6-3/4" | 4 1/2" | | 1681' | Circulated Cement | | |

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

| Formation | Top | Btm. | Formation | Top | Btm. | Formation | Top | Btm. |
|-------------|-----|------|----------------|------|------|-------------|------|------|
| Clay | 0 | 8 | Shale | 682 | 696 | Sandy shale | 1187 | 1430 |
| Sandy clay | 8 | 49 | Lime | 696 | 702 | Sand | 1430 | 1438 |
| Sandy shale | 49 | 120 | Shale | 702 | 717 | Sandy shale | 1438 | 1540 |
| Sand | 120 | 126 | Lime | 717 | 722 | Sand | 1540 | 1549 |
| Shale | 126 | 184 | Shale | 722 | 738 | Sandy shale | 1549 | 1571 |
| Lime | 184 | 187 | Lime | 738 | 743 | Sand | 1571 | 1590 |
| Shale | 187 | 208 | Shale | 743 | 772 | Sandy shale | 1590 | 1593 |
| Lime | 208 | 240 | Lime | 772 | 780 | Miss. lime | 1593 | 1770 |
| Shale | 240 | 261 | Shale | 780 | 794 | | | |
| Lime | 261 | 269 | Lime | 794 | 811 | | | |
| Shale | 269 | 395 | Shale | 811 | 818 | | | |
| Lime | 395 | 397 | Lime | 818 | 841 | | | |
| Shale | 397 | 527 | Shale | 841 | 849 | | | |
| Lime | 527 | 530 | Lime | 849 | 861 | | | |
| Shale | 530 | 538 | Shale | 861 | 1001 | | | |
| Lime | 538 | 549 | Lenapah lime | 1001 | 1016 | | | |
| Shale | 549 | 555 | Shale | 1016 | 1023 | | | |
| Lime | 555 | 559 | Altamont lime | 1023 | 1035 | | | |
| Shale | 559 | 581 | Shale | 1035 | 1054 | | | |
| Lime | 581 | 601 | Pawnee lime | 1054 | 1072 | | | |
| Shale | 601 | 626 | Shale | 1072 | 1085 | | | |
| Lime | 626 | 639 | Ft. Scott lime | 1085 | 1097 | | | |
| Shale | 639 | 666 | Sandy shale | 1097 | 1183 | | | |
| Lime | 666 | 682 | Lime | 1183 | 1187 | | | |

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CONSERVATION DIVISION
Michigan

36-9-19E

Summary

Vanderweide #2 API#15-087-20, 134
4950'N and 4290'W of S.E. Corner, Sec. c. NE NW NW Sec. 36, T9S, R19E
Jefferson County, Kansas
Surface elevation: surveyed GL 1118.1 ASL
All depths from surface elevation

Electric Log Picks

| <u>Geologic Section</u> | <u>Depth</u> (feet) | <u>Datum</u> (ft. ASL) | <u>Remarks</u> |
|--|------------------------|---------------------------|------------------------------|
| T. Oread limestone | | | |
| T. Douglas Group (T. Lawrence Fm) | | | |
| T. Stranger Formation | | | |
| T. Lansing Group (T. Stanton Im.) | 527 | 591 | |
| T. Vilas shale | 560 | 558 | |
| T. Plattsburg limestone | 581 | 537 | |
| T. Kansas City (T. Bonner Springs) | 500 | 518 | |
| T. Wyandotte limestone | 626 | 492 | |
| T. Iane shale | 702 | 416 | |
| T. Iola limestone | 713 | 405 | |
| T. Chanute shale | 746 | 372 | |
| T. Drum limestone | 761 | 357 | |
| T. Cherryvale shale | 765 | 353 | |
| T. Dennis limestone | 788 | 330 | |
| T. Galesburg shale | 815 | 303 | |
| T. Swope limestone | 819 | 299 | |
| T. Ladore shale | 846 | 272 | |
| T. Hertha limestone | 850 | 268 | |
| B. Kansas City (B. Hertha/ T. Pleasanton Group) | 873 | 245 | |
| T. Marmaton Gp. (T. Lenapah Im.) | 999 | 119 | |
| T. Nowata shale | 1014 | 104 | |
| T. Altamont limestone | 1022 | 96 | |
| T. Bandera shale | 1047 | 71 | |
| T. Pawnee limestone | 1051 | 51 | |
| T. Labette shale | 1074 | 44 | |
| T. Fort Scott limestone | 1082 | 36 | |
| T. Cherokee Group | 1093 | 25 | |
| T. Squirrel sandstone | | | Not present |
| T. Bevier coal bed | 1180 | -62 | |
| T. Ardmore limestone | | | Not present |
| T. Croweburg coal bed | 1212 | -94 | |
| T. Upper Cattleman sandstone | 1222- | -104 | 12' shaly water ss, 5-8 ohmm |
| T. Fleming coal bed | 1258 | -140 | |
| T. Mineral coal bed | 1280 | -162 | |
| T. Scammon coal bed | 1328 | -210 | |
| T. Middle Cattleman ss. | 1330 | -212 | 12' shaly water ss, 5-6 ohmm |
| T. Lower Cattleman ss | 1364 | -246 | 16' shaly water ss, 5-8 ohmm |

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LITTLE ROCK

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CONSERVATION DIVISION

Summary Continued

Vanderweide #2
Jefferson County, Kansas

API#15-087-20,134

| <u>Geologic Section</u> | <u>Depth</u> (feet) | <u>Datum</u> (ft. ASL) | <u>Remarks</u> |
|------------------------------|------------------------|---------------------------|--|
| T. Tebo coal bed | | | Not present |
| T. Wier-Pittsburg coal bed | 1402 | -284 | |
| T. Dry Wood coal bed | 1464 | -346 | |
| T. Rowe coal bed | 1476 | -358 | |
| T. Neutral coal bed | 1482 | -364 | |
| T. Upper McLouth sandstone | | | Not present |
| T. Middle McLouth sandstone | 1534 | -416 | 14' shaly water ss, 6-7 ohm weak show of oil in samples |
| T. Burgess sandstone | | | Not present |
| T. Mississippian limestone | 1588 | -470 | |
| T. Warsaw limestone | 1604 | -486 | |
| T. 40 foot dolomite zone | 1839 | -721 | No shows |
| T. Osage (Burlington/Keokuk) | 1741 | -623 | |
| T.D. | 1770 | | |

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Wichita, Kansas

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