

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONForm ACO-1
September 1999
Form Must Be Typed
GMLWELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32429

Name: CRAWFORD OIL & GAS, INC.

Address: P. O. Box 51

City/State/Zip: Coldwater, Kansas 67029

Purchaser: _____

Operator Contact Person: _____

Phone: (316) 582-2612

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: Jon Christensen

Design. Type of Completion:

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to Enhr./SWD

Plug Back Plug Back Total Depth

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Enhr.?) Docket No. _____

3/28/00 4/15/00 4/18/00

Spud Date or
Reco. Date Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 033-21076

County: Comanche

65°W. SE. SE. SW. Sec. 6 Twp. 34 S. R. 18 East West

330 feet from S / N (circle one) Line of Section

2245 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

| | (circle one) | NE | SE | NW | SW |
|--|---|-------------------------------------|----|----|------------------|
| Lease Name: | <u>KING</u> | | | | Well #: <u>1</u> |
| Field Name: | <u>Wildcat</u> | | | | |
| Producing Formation: | <u>Mississippian</u> | | | | |
| Elevation: Ground: | <u>1895'</u> | Kelly Bushing: <u>1903'</u> | | | |
| Total Depth: | <u>6200'</u> | Plug Back Total Depth: <u>5518'</u> | | | |
| Amount of Surface Pipe Set and Cemented at | <u>612'</u> | | | | Feet |
| Multiple Stage Cementing Collar Used? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| If yes, show depth set | | | | | Feet |
| If Alternate II completion, cement circulated from | | | | | |
| feet depth to | <u>w/</u> | | | | <u>sx cmt.</u> |

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 14,000 ppm Fluid volume 600 bbls

Dewatering method used haul off

Location of fluid disposal if hauled offsite:

Operator Name: GORDON KEANE

Lease Name: HARMON License No.: 5993

Quarter NW Sec. 11 Twp. 33 S. R. 20 East West

County: Comanche Docket No.: 22304

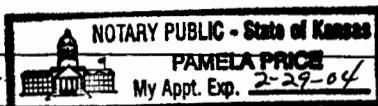
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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: Mark Pinnick
Title: Dept. Operations Date: 7-24-00

Subscribed and sworn to before me this 24th day of July,
19⁰⁰.

Notary Public: Pamela Price
Date Commission Expires: Feb. 29, 2004



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

operator Name: CRAWFORD OIL & GAS, INC. Lease Name: KING Well #: 1
 sec. 6 Twp. 34 S. R. 18 East West County: Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all electric Wireline Logs surveyed. Attach final geological well site report.

| | | | |
|--|---|---|---------------------------------|
| Well Stem Tests Taken <i>(Attach Additional Sheets)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top |
| cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Datum |
| Electric Log Run <i>(Submit Copy)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| st All E. Logs Run: | | | |
| High Resolution Enduction Spectral Density Neutron Cement Bond | | | |

CASING RECORD 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 | # Sacs Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-----------------|---------------|----------------|-------------|----------------------------|
| Conductor | | 20" | | 60' | 10Sack Grout | | |
| Surface | 12-1/4" | 8-5/8" | 24# | 612' | Lite | 225 | 3%cc, 1/4# Floseal |
| Production | 7-7/8" | 4-1/2" | 10.5# | 5569' | AA-2 | 170 | 10%salt, 5#gil, 1/2%FLA322 |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: — Perforate — Protect Casing — Plug Back TD — Plug Off Zone | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|--|---------------------|----------------|-------------|----------------------------|
| | | | | |
| | | | | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 6spf | 5324-30 | 1000 Gal 15%acid 90 T CO ₂ | |
| 6spf | 5346-50 | 160 sx sand 400 Bbl. Water | |
| 6spf | 5361-66 | | |
| | | | |
| | | | |
| | | | |

| UBING RECORD | Size | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|--------------|-------|--------|-----------|-----------|---|
| | 2 3/8 | 5287 | N/A | | |

| date of First, Resumed Production, SWD or Enhr. WOPL | 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 Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|--------------------------------------|-----------|---------|-------------|---------------|---------|
| | 0 | 150 | 40 | | |

| Disposition of Gas | METHOD OF COMPLETION | Production Interval |
|--|--|---|
| <input checked="" type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Other (Specify) _____ | <input type="checkbox"/> Down Comp. <input type="checkbox"/> Commingling <input type="checkbox"/> 3/4" I.D. 10' 10" O.D. |