

15-163-00897-0002

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

ORIGINAL

Operator: License # 5537

Name: Kenneth O Brown Estate

Address: Drawer 340

City/State/Zip Plainville, Kansas 67663

Purchaser: _____

Operator Contact Person: Viola E Brown

Phone (913) 434-7236

Contractor: Name: _____

License: _____

Wellsite Geologist: None

Designate 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: Kenneth O Brown

Well Name: Garvert A-SWD-D-1

Comp. Date 4-24-75 Old Total Depth 1304'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. C-17,788

12-11-93

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- Docket No. (C-17-788)

County Rooks

NW - SE - NW - Sec. 22 Twp. 10 Rge. 18 E
X W

3630 Feet from (SW) (circle one) Line of Section

3630 Feet from (SW) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Garvert A Well # SWD-# D-1

Field Name Eilers

~~Reserve~~ Formation Cedar Hill-Disposal of water

Elevation: Ground 2132' KB 2137'

Total Depth 1394' PBTD 1304'

Amount of Surface Pipe Set and Cemented at 162 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1394'

feet depth to surface w/ 480 sx cmt.

Drilling Fluid Management Plan REWORK JH 4-4-94
(Data must be collected from the Reserve Pit)

Chloride content 121609.6 ppm Fluid volume appr. 50 bbls

Dewatering method used truck-vacuum

Location of fluid disposal if hauled offsite: _____

Operator Name Kenneth O Brown Estate

Lease Name Garvert A License No. 5537

NW Quarter Sec. 22 Twp. 10 S Rng. 18 E W

County Rooks Docket No. C-17,788

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

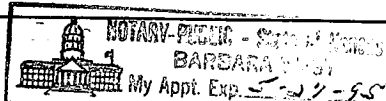
Signature Viola E Brown

Title Executive Date 12-22-93

Subscribed and sworn to before me this 22nd day of December, 19 93.

Notary Public Barbara West

Date Commission Expires _____



RECEIVED
STATE CORPORATION COMMISSION
CONFIDENTIALITY ATTACHED
Wireline Log Received N/A
Geologist Report Received
DEC 27 1993
12-27-93
DISTRIBUTION
SWD/Rep _____ NGPA
Plug _____ Other _____
(Specify)

81

Operator Name Kenneth O Brown Estate Lease Name Garvert Well # SWD-D-1
 Sec. 22 Twp. 10 Rge. 18 East West
 County Rooks

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
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

Name Top Datum

Cemented 1052' of 2 7/8" tubing inside of casing. Set packer shoe @ 1052'
 Cement circulated to surface.

| CASING RECORD <input type="checkbox"/> New <input checked="" 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 |
| Production | 6 1/4" | 4 1/2" | | 1394' | Portland A | N/A | 1% salt 2% gel |
| | | | | | | | |
| | | | | | | | |

KCS
JH

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|--|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | 1054' to surface | 60/40 pos | 150 | 2% gel |

| 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 |
|----------------|---|--|---|--|-------|
| | | | | | |
| 1 | 1108' - 1210' | | | | |
| | | | | | |
| | | | | | |

KCS
JH

TUBING RECORD Size 2 7/8" Set At 1052' Packer At 1052' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12-11-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: None

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) Cedar Hill-Disposal

Production Interval _____

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Rock STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|--------------|--------------|-------------|-----------------------|
| CASING | <u>U</u> | | <u>4 1/2</u> | <u>6</u> | <u>-</u> | |
| LINER | <u>U</u> | | <u>2 7/8</u> | <u>6 1/2</u> | <u>1052</u> | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD | | |
| PACKER | | |
| OTHER | | |

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>12-9-93</u> | DATE <u>12-9-93</u> | DATE <u>12-9-93</u> | DATE <u>12-9-93</u> |
| TIME <u>0760</u> | TIME <u>0730</u> | TIME <u>0850</u> | TIME <u>1120</u> |

ORIGINAL

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------------------|-----------------|------------------|
| <u>X Richardson</u> | <u>40011</u> | <u>Hwy 16 Ks</u> |
| <u>G. Blasing</u> | <u>3244</u> | <u>"</u> |
| <u>A. Barland</u> | <u>4224</u> | <u>"</u> |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER 50 gal alcohol of cement

DEPARTMENT cmt

DESCRIPTION OF JOB cmt 1052 27" Tbg in Disposal well

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Steve Under

HALLIBURTON OPERATOR Ken Parker COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|--------------|------------|-------------|-------------------------|------------------|-----------------|
| | <u>150</u> | <u>60/40</u> | <u>P02</u> | <u>B</u> | <u>27 gal 571 cts 3</u> | <u>1.27</u> | <u>14.3</u> |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 6

CEMENT SLURRY: BBL.-GAL. 336

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

Steve Under

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DEC 16 1993

DEC 27 1993

CUSTOMER

CONSERVATION DIVISION
Wichita, Kansas

CONSERVATION DIVISION
Wichita, Kansas

JOB LOG FORM 2013 R-4

| | | | | |
|-----------------------------|-----------------|-----------------|--------------------------|----------------------|
| CUSTOMER Kenny Brown Ent | WELL NO. SWD | LEASE Garret | JOB TYPE 2 3/4" Liner | TICKET NO. 568190 |
|-----------------------------|-----------------|-----------------|--------------------------|----------------------|

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|--------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 0600 | | | | | | | Called out for 2 3/4" liner shoe |
| | | | | | | | | radio run on 2 3/4" casing & cement up |
| | | | | | | | | 39 SKS gal & 150 SKS 60/40 oil |
| | | | | | | | | 2 3/4" gal .5% Cr-3 |
| | 0730 | | | | | | | On loc. 15' Tbg & PKR shoe |
| | 0735 | | | | | | | Flashed 1052', set SLDPS |
| | 0850 | 3 | | | | 1 | | Work up to tbg & pump 15 bbl |
| | 0902 | | | | | | | Drop ball to shut off both of Tbg |
| | 0908 | 3 | | | | 200 | | ST. Pumping down tbg, blow in |
| | | | | | | | | Ann & fluid in to surf |
| | | | | | | | | Shut down |
| | 0918 | | | | | | | Had circ to P |
| | 0925 | 3 | | | | | | mix & pump 15 bbl gel + water (5 SKS) |
| | | | | | | | | ST mix cement 150 2 3/4" gal .5% Cr-3 |
| | 0932 | 3 | | | | | | Had circulation through out job |
| | | | | | | | | circ cement to pit (Approx 30 SKS) |
| | | | | | | | | Shut in @ Ann & continue pumping |
| | 0933 | 3 | 30.6 | | | 500 | | cmnt mixed, wash pump & line out |
| | 0935 | 3 | | | | 350 | | Rel plug & ST. Displ. Had circ in pit |
| | 0939 | 1/2 | | | | 300 | | no lost 2 bbl shut in @ Ann |
| | 0940 | 0 | 6 | | | 750 | | Ldg plug, press ball (10 min) |
| | | | | | | | | Increase press to pump out |
| | | | | | | | | insides of PKR shoe |
| | 0950 | 3 | | | | 3500 | | Sheared @ 2500 PSI dump 2 bbl |
| | | | 2 | | | 700 | | water & shut down |
| | 0951 | | | | | 100 | | Ann'd not go on way, Rel pump |
| | | | | | | | | & throw back 1 bbl |
| | 1020 | | | | | | | wash track up & rk |
| | | | | | | | | Job complete |
| | | | | | | | | Thompson |
| | | | | | | | | See p. 2 |

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CONSERVATION DIVISION Wichita, Kansas

CONSERVATION DIVISION Wichita, Kansas

CUSTOMER

WELL DATA

FIELD _____ SEC. 20 TWP. 10³ RNG. 15⁰ COUNTY Rock STATE K

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | L | | 2 1/2 | 0 | | |
| LINER | | | | | | |
| TUBING | W | | 1 1/2 | | 1250 | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD | | |
| PACKER | | |
| OTHER | | |

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------|---------------|---------------|---------------|
| DATE 12-11-93 | DATE 12-11-93 | DATE 12-11-93 | DATE |
| TIME 13:45 | TIME 13:15 | TIME 15:15 | TIME |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|--------------------|
| J. Beckler | 11001 | Plc 11001 |
| G. Blasing | 52110 | Cont 3001 Hayes Ks |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB./GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE D3FE GAL. 750 % 98
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE Pen-5 GAL. 1 IN 750
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER HAT-85m 1 bag

DEPARTMENT Acid
 DESCRIPTION OF JOB Treat Pen-5
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X Steve Ruder
 HALLIBURTON OPERATOR J. Beckler COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|--------|-------|-------------|-----------|------------------|-----------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

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DEC 16 1993

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CONSERVATION DIVISION Wichita, Kansas

CONSERVATION DIVISION Wichita, Kansas

CUSTOMER

CUSTOMER
LEASE
WELL NO. 51746
JOB TYPE Acid

JOB LOG FORM 2013 R-4

CUSTOMER: *Kenny Blower Express* WELL NO.: *5WD* LEASE: *Garbutt* JOB TYPE: *Acid* TICKET NO.: *548260*

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-----------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 13:30 | | | | | 1 1/2" | 2 1/2" | Called Out |
| | 15:15 | | | | | | | On loc |
| | 15:40 | | | | | 200 | | Spot & Set up Equip - Discharge Job |
| | 15:46 | | | | | 300 | | Start To Spot Acid thru 1 1/2" Tbg |
| | | | | | | | | Acid Spotted 300BL / 100BL W/ 100' Behind |
| | | | | | | | | Rig Pull Tbg |
| | | | | | | | | Hook up on 2 1/2" Tbg |
| | 16:13 | 7 1/2 | | | | | 0 | Start Acid |
| | 16:44 | 7 1/2 | | | | | 500 | Head Loaded |
| | 16:45 1/2 | 8 | | | | | 575 | Acid in - Start Flush - Increase Rate @ 700' |
| | 16:47 | 8 | | | | | 700 | Flush in - 1000' |
| | | | | | | | | ISIP - Vac |
| | | | | | | | | Job Complete |
| | | | | | | | | <i>John J. Young</i> <i>John J. Young</i> <i>John J. Young</i> |

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