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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 # 5435
Name Bowers Drilling Co., Inc.
Address 125 No. Market, Suite 1425
City/State/Zip Wichita, Kansas 67202

Operator Contact Person Emil E. Bowers
Phone (316) 262-6449

Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist J. C. Musgrove
Phone (316) 792-1383

PURCHASER

Designate Type of Completion

- New Well
- Re-Entry
- Workover
- 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

10/31/88 11/8/88 11/8/88
Spud Date Date Reached TD Completion Date

4499
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 291 feet

Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet

If alternate 2 completion, cement circulated from 0 feet depth to 291 w/ 200 SX cmt
OIT D+0

API NO: 15-007-22,211-00-60

County Barber

E/2 E/2
NE NE Sec 4 Twp 31 Rge 12 East West

4620 Ft North from Southeast Corner of Section
165 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

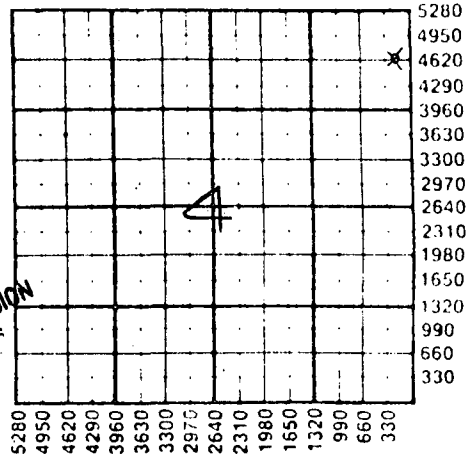
Lease Name Haas Well # 10

Field Name Meairs

Producing Formation D/A

Elevation: Ground 1719 KB 1725

Section Plat



WATER SUPPLY INFORMATION

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.#)

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. 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 Emil E. Bowers
Title President Date 11/14/88

Subscribed and sworn to before me this 14th day of November 1988

Notary Public Judy C. Ridder
Date Commission Expires 5/29/89

JUDY C. RIDDER
STATE NOTARY PUBLIC
SEDGWICK COUNTY, KANSAS
MY APPT. EXP. 5/29/89

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)

11-23-88

Operator Name **Bowers Drilling Co** Lease Name **Haas** Well # **10** SEC. **4** TWP. **31S** RGE. **12E** East West

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

DST #1 3731-45
 Open 30 min - Shut in 20 min
 Open 20 min - Shut in 30 min
 Recovered 270' fluid (30' GM,
 60' GWM and 80' GMW)
 ISIP 1090 FSIP 1072
 IFP 58 FFP 117-142

Name	Top	Bottom
Heebner	3592	-1864
Douglas Shale	3627	01902
Douglas Sand 1st	3454	-1929
Douglas Sand 2nd	3731	-2006
Lansing KC	3804	-2079
Base KC	4217	-2494
Mississippi	4302	-2577
Kinderhook	4333	-2608
Viola	4468	-2743

Log T.D. 4499

RECEIVED
 NOV 15 1969
 MISSISSIPPI STATE
 UNIVERSITY
 GEOL. DEPT.
 MARIETTA, MISSISSIPPI

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	#Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4"	8 5/8"	23#	291'	60-40 Pos Mix	200	2% gel; 3% cc

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
.....
.....
.....

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production Producing Method
 Flowing Pumping Gas Lift Other (explain).....

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

METHOD OF COMPLETION Production Interval

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

CARD MUST BE TYPED

State of Kansas
NOTICE OF INTENTION TO DRILL
(see rules on reverse side)

CARD MUST BE SIGNED

Starting Date October 28, 1988
month day year

API Number 15-007-22,211-00-00

OPERATOR: License # 5435
Name BOWERS DRILLING COMPANY, INC.
Address 125 North Market, Suite 1425
City/State/Zip Wichita, Kansas 67202
Contact Person Emil E. Bowers
Phone (316) 262-6449

E/2 E/2 NE NE Sec. 4 Twp. 31 S. Rg. 12 West
4620 Ft. from South Line of Section
165 Ft. from East Line of Section
(Note: Locate well on Section Plat on reverse side)

CONTRACTOR: License # 5929
Name Duke Drilling Co., Inc.
City/State Wichita, Kansas 67202

Nearest lease or unit boundary line 1155 feet
County Barber
Lease Name HAAS Well # 10
Ground surface elevation 1719 feet MSL
Domestic well within 330 feet: — yes X no
Municipal well within one mile: — yes X no
Surface pipe by Alternate: 1 X 2
Depth to bottom of fresh water Top of Permian
Depth to bottom of usable water 200
Surface pipe planned to be set 220
Projected Total Depth 4350 feet
Formation Simpson

Well Drilled For: Well Class: Type Equipment:
— X Oil — SWD — Infield X Mud Rotary
— Gas — Inj X Pool Ext. — Air Rotary
— OWWO — Expl — Wildcat — Cable

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

I certify that well will comply with K.S.A. 55-101, et seq., plus eventually plugging hole to KCC specifications.
..... cementing will be done immediately upon setting production casing.
Date Oct. 21, 1988 Signature of Operator or Agent Emil E. Bowers Title President

For KCC Use:
Conductor Pipe Required feet; Minimum Surface Pipe Required 200 feet per Alt. (1) X
This Authorization Expires 4-25-89 Approved By R.H. 10-25-89

SPUD 10-31-88

220' - 8' 8" 11
OWWO

PLUGGING PROPOSAL IF ABOVE IS D & A

This plugging proposal will be reviewed and approved or revised at the time the district office is called prior to setting surface casing (call 7 a.m. to 5 p.m. workdays).

1st plug @ Sand to 4,000 feet, plug w/ 5 sax cement; 4 Sax hulls, 10 sax gel,
2nd plug @ 50' sax cement; ten sax gel, 1 sax hulls, 100 sax cement, 60-40' Pos. 6% gel
3rd plug @ feet depth with sax of
4th plug @ feet depth with sax of
5th plug @ feet depth with sax of
(2) Rathole with sax (b) Mouse hole with

7W med. hole

PUSHER Lenard Williamson
TD 4500 FORMATION ~~Alto~~ Viola
SURFACE PIPE 8 7/8 @ 291

ANYDRITE @ 500 ELEVATION
STARTING TIME & DATE 5:00am 11-8-88
COMPLETION TIME & DATE 6:00am 11-8-88

1st PLUG @ 500 FT. W/ 50 SX
2nd PLUG @ 300 FT. W/ 40 SX
3rd PLUG @ 40-0 FT. W/ 10 SX
4th PLUG @ FT. W/ SX
RAT HOLE CIRCULATED W/ 15 SX
MOUSE HOLE CIRCULATED W/ 0 SX
WATER WELL PLUGGED W/ Hand SX
CEMENT COMPANY 60/40 Pot 6% gel

TECHNICIAN
RECEIVED
STATE CORPORATION COMMISSION
NOV 14 1988
CONSERVATION DIVISION
Wichita, Kansas
0 J - Titan Cemented