

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

ORIGINAL
KCC

API NO. 15- 185-22,834-0000
County Stafford
C - NW - NE - NE Sec. 30 Twp. 23S Rge. 13 X E

Operator: License # 30606 **MAY 15 1993** 330 Feet from S/N (circle one) Line of Section

Name: MURFIN DRILLING COMPANY, INC. 1100 Feet from E/W (circle one) Line of Section

Address 250 N. Water, Suite 300

City/State/Zip Wichita, Kansas 67202

Purchaser: na

Operator Contact Person: Scott Robinson

Phone (316) 267-3241

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Chuck Schmaltz

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: **RELEASED**

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening FROM _____ Conv. to Inj/SWD
 Plug Back _____ PBT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

4-15-92 _____ 4-24-92 _____
Spud Date _____ Date Reached TD _____ Completion Date _____

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

1100 Feet from E/W (circle one) Line of Section

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

Lease Name Cornwell Well # 1-30

Field Name St. John NW (ext)

Producing Formation na

Elevation: Ground 1897' KB 1902'

Total Depth 4015' PBT _____

Amount of Surface Pipe Set and Cemented at 337' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan AIF DFO
(Data must be collected from the Reservo Pit)

Chloride content 62000 ppm Fluid volume 1000 bbls

Dewatering method used Pit Liners used, water hauled off

Location of fluid disposal if hauled offsite: _____

Operator Name KBW Oil and Gas Company

Lease Name Gobin #2 SWD License No. 5993

SE Quarter Sec. 28 Twp. 25 S Rng. 13 E/W

County Stafford Docket No. _____

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.

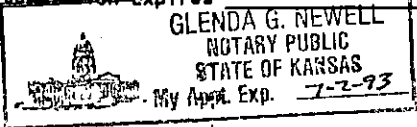
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Scott Robinson
Title Geological Manager Date 5/12/92

Subscribed and sworn to before me this 12 day of May, 19 92.

Notary Public Glenda G. Newell

Date Commission Expires 7-2-93



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Form ACO-1 (7)
STATE CORPORATION COMMISSION
RECEIVED
MAY 20 1992

Operator Name Murfin Drilling Company, Inc. Lease Name Cornwell Well # 1-30
 Sec. 30 Twp. 23S Rge. 13 East West
 County Stafford

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:
 Dual Induction Laterolog
 Compensated Density Dual Spaced Neutron

Log Sample

Formation (Top), Depth and Datum

LOG TOPS:

ANHYDRITE	782 (+1115)
B/ANHYDRITE	803 (+1094)
STOTLER	2734 (-837)
TARKIO	2798 (-901)
HOWARD	2947 (-1050)
TOPEKA	3031 (-1134)
HEEBNER	3339 (-1442)
TORONTO	3359 (-1462)
DOUGLAS	3376 (-1479)
BROWN LS	3474 (-1577)
LANSING	3495 (-1598)
BKC	3751 (-1854)
VIOLA	3869 (-1972)
SIMPSON SH	3916 (-2019)
ARBUCKLE	3966 (-2069)
LTD	4013
RTD	4015

CASING RECORD New Used

Report all strings set-conductor, surface, intermedi

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"	28	337	60/40 Poz	175	2% Gel, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

TUBING RECORD

Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval _____

Supplement to ACO-1

Operator: Murfin Drilling Company, Inc.
License # 30606

Contractor: L.D. Drilling, Inc.
License # 6039

Well: Cornwell #1-30
API#: 15-185-22,834

RELEASED

KCC

MAY 18 1993

MAY 15 1993

FROM CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

DST #1: 3509-3530. 30-45-30-45

IF: V WK BLOW DIED IN 14 min
FF: V WK SURFACE BLOW FLUSHED TOOL 5 min.
INTO PERIOD DIED 1 min. LATER.
REC: 20' M
HP 1745-1735, SIP: 1115-1085, FP: 40-50/50-50, BHT: 114 deg

DST #2: 3533-3577 (D,E/F zones)

Rig mud chk. 9.3 wt 49 vis 6.2 wl 9000 ppm chl.
30-45-60-60
IF: strong blow off the bottom of bucket in 1 min.
FF: strong blow off the bottom of bucket in 1 min
Rec: 250' GIP
20' FO
360' GOCM (50% G, 25% O, 25% M)
120' G&VSLOCWM (30% G, 3% O, 60% M, 7% M)
1200' SW
1700' Total Fluid
HP: 1745-1735, SIP: 970-970, FP: 250-495/610-715, BHT: 119 degrees.

DST #3: 3580-3654 (G,H,I zones)

30-45-60-90
IF: v wk blow increasing to 5"
FF: v wk blow increasing to 2"
REC: 180' SW
HP: 1795-1785, SIP: 1230-1230, FP: 75-85/85-125,

DST #4: 3660-3684 (J-zone)

30-45-30-45
IF: V wk surface blow
FF: No Blow
Rec: 20' Mud
HP: 1795-1785, SIP: 1075-660, FP: 20-20/20-20, BHT: 120 deg.

DST #5: 3690-3720 (LKC K-zone)

30-45-30-45
Tool open approx 4:10 am
will start off bottom 6:40 am
IF: wk 1" surface blow
FF: v wk 1/2" surface blow
REC: 20' Mud
HP: 1845-1835, SIP: 1240-1045, FP: 30-30/40-40, BHT: 102 deg.

DST #6: 3826-3866 (Conglomerate)

30-45-60-90
Tool slid 8' to bottom
IF: strong blow off bottom of bucket in 1 min
FF: strong blow off bottom of bucket in 1 min
REC: 600' GIP
120' VsLO&GCWM (3% O, 10% G, 37% W, 50% M)
2530' GW
43,000 ppm chlorides
16,000 ppm chlorides - pit
HP: 1974-1899, SIP: 1175-1228, FP: 591-782/942-1090, BHT: 122 degrees.

DST #7: 3876-3921 (Viola)

30-45-30-45
Tool open 1:15 pm will start out @ 3:45
IF: very wk blow 1 1/2" decreased to 1/4"
FF: very wk blow died in 15 min.
REC: 15' S1 O sptd Mud
HP: 1952-1920, SIP: 64-64, FP: 64-64/64-64, BHT: 118 degrees

DST #8: 3913-3950' (Simpson Sand)

30-45-30-45
IF: wk 1/2 blow slightly decreasing
FF: wk blow died in 15 min.
REC: 20' Mud
HP: 2027-2027, SIP: 53-53, FP: 53-53/53-53, BHT: 119 degrees

RECEIVED
STATE CORPORATION COMMISSION
MAY 20 1992
CORPORATION DIVISION
Kansas

ORIGINAL ACC

MAY 15 1993

DRILLER'S WELL LOG

CONFIDENTIAL

DATE COMMENCED: 4-15-92
DATE COMPLETED: 4-24-92

MURFIN DRILLING COMPANY, INC.
CORNWELL #1-30
110' W C NW NE NE
SEC. 30-23S-13W
STAFFORD COUNTY, KANSAS

0 - 170 Sand & clay
170 - 337 Sand & Red Beds
337 - 1810 Shale & Lime
1810 - 3520 Lime & Shale
3520 - 3866 Lime
3866 - 3921 Viola Chert
3921 - 4015 Shale & Arb
4015 RTD

RELEASED

MAY 15 1993

ELEVATION: 1897' GR 1902' KB

FROM CONFIDENTIAL

FORMATION DATA: (log)

Anhydrite 782 (+1115)
B/Anhydrite 803 (+1094)
Tarkio 2798 (-901)
Howard 2947 (-1050)
Topeka 3031 (-1134)
Heebner 3339 (-1442)
Toronto 3359 (-1462)
Douglas 3376 (-1479)
Brown LM 3474 (-1577)
Lansing 3495 (-1598)
BKC 3751 (-1854)
Viola 3869 (-1972)
Simpson Sh 3916 (-2019)
Arbuckle 3966 (-2069)

LTD 4013
RTD 4015

SURFACE CASING:

8 5/8" set @ 337' W/175 sx. 60/40 Poz,
2% gel, 3% CC

A F F I D A V I T

State of Kansas)
County of Barton) ss

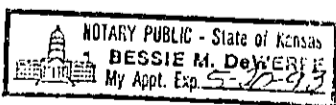
GREG DAVIDSON of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Greg Davidson
Greg Davidson

Subscribed and sworn to before me this 28th day of April 1992.

Bessie M. DeWerff
Notary Public: Bessie M. DeWerff

My Commission expires: 5-20-93



RECEIVED
STATE CORPORATION COMMISSION
MAY 20 1992
CONSERVATION DIVISION
Topeka, Kansas