

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 # 5886
Name CHIEF DRILLING CO., INC.
Address 151 N. Main Suite #700
Wichita, Kansas 67202
City/State/Zip

Purchaser NA

Operator Contact Person E.W. Shelton, Jr.,
Phone Vice President 262-3791

Contractor: License # 5883
Name Warrior Drilling Co.

Wellsite Geologist Ron Dulos
Phone 316-262-3791

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7-21-87 7-31-87 7-31-87
Spud Date Date Reached TD Completion Date
RTD 4590'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 253' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set NA feet
If alternate 2 completion, cement circulated from NA feet depth to w/SX cmt

API NO. 15-171-20,361-00-00
County Scott
NW NW NE Sec. 26 Twp. 17S Rge. 31 East West

4950 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

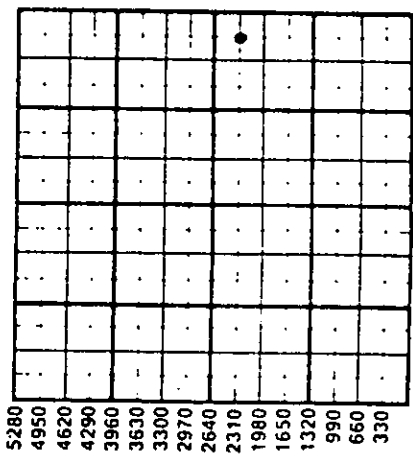
Lease Name BROWER "A" Well # 1

Field Name

Producing Formation NA

Elevation: Ground 2914 KB 2919

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
Irrigation Well
 Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of NW/4 Sec 35 Twp 17S Rge 31 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. #)

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 F.W. Shelton, Jr., Vice President
Title Date

Subscribed and sworn to before me this 3rd day of August 1987.
Notary Public Martha E. Gustin
Date Commission Expires

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

MARTHA E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 11-1-89

08-05-87

Sec. 26 Twp. 17S Rge. 31E

15-171-20361-00-00

Operator Name Chief Drilling Co., Inc. Lease Name BROWER "A" Well # 1

Sec. 26 Twp. 17S Rge. 31 East West County Scott

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [X] Sample

7-26-87 DST #1 3973-3992 (35' zone) wk bl died in 1", 30-30-30-30, Rec. 2' M, IBHP: 70#, FBHP: 70#, IFF: 26-26 FFP: 26-26
7-27-87 DST #2 4260-4272 (Middle Creek) wk bl died in 6", 30-30-30-30, Rec. 10' OCM, IBHP: 357# FBHP: 116#, IFF: 44-44 FFP: 44-44
7-28-87 DST #3 4260-4300 (220 zone) wk bl died in 20", 30-30-30-30 Rec. 40' O sp M W, IBHP: 804#, FBHP: 784#, IFF: 44-44 FFP: 44-44
7-29-87 DST #4 4350-4395 (Marmaton) very st bl off bott in 30", 30-30-30-30, Rec. 200' OCW, 5% O, 95% W, 1800' W, chl. 48,000 ppm, IBHP: 1000#, FBHP: 1000#, IFF: 348-849 FFP: 894-1000
7-30-87 Drilling @ 4500' DST #5 4505-4560 (Johnson zone) IF: wk bl throughout, FF: fair bl throughout, 30-30-45-45 Rec. 45' HOCM, TRW, (18% O, 82% M), IBHP: 133#, FBHP: 250#, IFF: 62-62, FFP: 62-62
7-31-87 RTD 4590', Logged, Plugged w/205 sks, 60-40 posmix, 6% gel, 1st plug @ 2290' w/50 sks, 2nd plug @ 1400' w/80 sks, 3rd plug @ 270' w/50 sks, 0-40' w/10 sks, 15 sks RH. Richard Lacey, State Plugger Dan Goodrow assisted. District #1 Started @ 1:00pm Completed @ 3:15 pm D&A Final Report

Table with columns Name, Top, Bottom. Includes FORMATION TOPS and E-LOG TOPS with values for Anhydrite, Base Anhyd., Heebner, Lansing, Muncie Creek, Stark, Hush Puckney, BKC, Marmaton, Pawnee, Ft. Scott, Cherokee, Mississippi, and RTD.

WELL LOG table with columns Depth (0, 453, 1485, 2280, 2298, 4262, 4590) and Formation (Sand & Clay, Sand & Shale, Shale, Anhydrite, Shale/Lime/Shale, Lime, RTD).

CASING RECORD [X] New [] Used Report all strings set-conductor, surface, intermediate, production, etc.

Table with columns 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. Row 1: SURFACE, 12 1/4, 8 5/8", 20#, 253', 60/40, 160, 3% cc, 2% ge.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Includes columns Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth. Note: RELEASED.

TUBING RECORD Size Set At Packer at Liner Run [] Yes [] No SEP 22 1988

Date of First Production Producing Method [] Flowing [] Pumping [] Gas FROM CONFIDENTIAL

Table with columns Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row 1: Estimated Production Per 24 Hours, 3bls, MCF, Bbls, CFPB.

METHOD OF COMPLETION Production Interval

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

15-171-20361-00-00

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN

SUITE 700

WICHITA, KANSAS 67202

DAILY DRILLING REPORT

API: 15-171-20,361

RIG #1

V. RICHARD HOOVER
PRESIDENT

(316) 262-3791

BROWER "A" #1
NW NW NE SEC. 26-17S-31W
SCOTT COUNTY, KS.

ELEVATION: 2914 GR
2916 DF
2919 KB

7-20-87 Moving in on location

7-21-87 Finished Moving in, spudded in @ 12:45 pm
ran 6 jts. 247' new 20#, 8 5/8" csg. set
@ 253', cem w/160 sks 60/40 posmix, 3% cc
2% gel, plug down @ 4:30 pm

7-22-87 Drilling @ 256'

7-23-87 Drilling @ 2620'

7-24-87 Drilling @ 3127'

7-25-87 Drilling @ 3605'

7-26-87 DST #1 3973-3992 (35' zone) wk bl died in
1", 30-30-30-30, Rec. 2' M, IBHP: 70#, FBHP:
70#, IFP: 26-26 FFP: 26-26

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FBHP: 116#, IFP: 44-44 FFP: 44-44

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bott in 30", 30-30-30-30, Rec. 200' OCW,
5% O, 95% W, 1800' W, chl. 48,000 ppm,
IBHP: 1000#, FBHP: 1000#, IFP: 348-849
FFP: 894-1000

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zone) IF: wk bl throughout, FF: fair bl
throughout, 30-30-45-45 Rec. 45' HOCM, TRW,
(18% O, 82% M), IBHP: 133#, FBHP: 250#,
IFP: 62-62, FFP: 62-62

7-31-87 RTD 4590', Logged, Plugged w/205 sks,
60-40 posmix, 6% gel, 1st plug @ 2290'
w/50 sks, 2nd plug @ 1400' w/80 sks, 3rd
plug @ 270' w/50 sks, 0-40' w/10 sks,
15 sks RH. Richard Lacey, State Plugger
Dan Goodrow assisted. District #1
Started @ 1:00pm Completed @ 3:15 pm
D&A Final Report

FORMATION TOPS:

Anhydrite	2280 +	639
Base Anhyd.	2298 +	621
Heebner	3911 -	992
Lansing	3948 -	1029
Muncie Creek	4124 -	1205
Stark	4223 -	1304
Hush Puckney	4262 -	1343
BKC	4304 -	1385
Marmaton	4342 -	1423
Pawnee	4429 -	1510
Ft. Scott	4474 -	1555
Cherokee	4496 -	1577
Mississippi	4563 -	1644
RTD	4590 -	1671

E-LOG TOPS:

Anhydrite	2236 +	683
Base Anhydr.	2294 +	625
Heebner	3909 -	990
Lansing	3947 -	1028
Stark	4221 -	1302
BKC	4301 -	1382
Marmaton	4338 -	1419
Pawnee	4427 -	1508
Ft. Scott	4472 -	1553
Cherokee	4494 -	1575
Mississippi	4563 -	1644
LTD	4589 -	1670

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

AUG 10 1987

RELEASED

SEP 22 1988

FROM CONFIDENTIAL