

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

Operator: License # 5886
Name: Chief Drilling Co., Inc.
Address 224 E. Douglas, #530

City/State/Zip Wichita, Kansas 67202
Purchaser: Koch Oil Company
Operator Contact Person: Douglas W. Thimesch
Phone (316) 262-3791
Contractor: Name: Warrior Drilling Co.
License: 5883
Wellsite Geologist: Ron Dulos

Designate Type of Completion

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

If OWO: old well info as follows:

Operator: _____

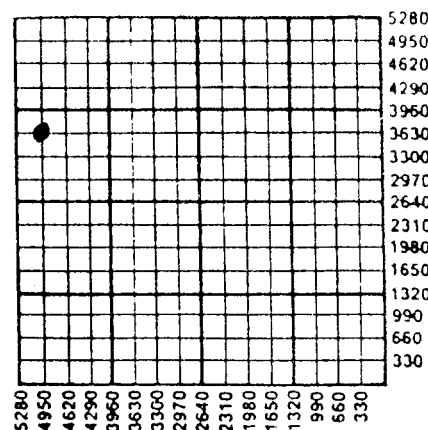
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable5-24-90 6-2-90 6-21-90

Spud Date Date Reached TD Completion Date

API NO. 15- 055-20,916County FinneyNW SW NW Sec. 8 Twp. 23S Rge. 30 ☒ East West3630 Ft. North from Southeast Corner of Section4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Haag Well # 1-8Field Name UnnamedProducing Formation MississippiElevation: Ground 2852 KB 2859Total Depth 4900' PBDT --

7-31-90

Amount of Surface Pipe Set and Cemented at 358 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 2030 FeetIf Alternate II completion, cement circulated from 2030'feet depth to -570' 0 w/ 450 650 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Douglas W. Thimesch
Title Vice President Date 7-2-90

Subscribed and sworn to before me this 2nd day of July,
90

Notary Public Betty M. Abbott
Date Commission Expires January 22, 1991
My Appt. Exp. 1-22-91

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Drillers Timelog Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☒ KGS ☐ Plug ☒ Other
(Specify)

NP89024

Operator Name Chief Drilling Co., Inc. Lease Name Haaq Well # 1-8
 Sec. 8 Twp. 23S Rge. 30W ☐ East ☒ West
 County Finney

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.)

See attached sheet

Formation Description

☐ Log ☐ Sample

Name Top Bottom

See attached sheet

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	12 $\frac{1}{4}$	8 5/8	20#	358'	60/40	170	3% c.c, 2% gel
Production	7 7/8	4 1/2	10 $\frac{1}{2}$ "	4900'	pozmix ASC	150	20 bbl mudflush

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used) Depth

4 per ft.	4761-4767'	200 sx pozmix, 6% gel w/ 1/4# flo seal & hulls down backside 2 BPM @ 200#

TUBING RECORD

Size Set At Packer At
 2 3/8" 4849'

Liner Run ☐ Yes ☒ No

Date of First Production 7-2-90 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours Oil 90 Bbls. Gas -0- Mcf Water -0- Bbls. Gas-Oil Ratio Gravity 38°

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

☒ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify)

Chief Drilling Co., Inc.
224 E. Douglas, #530
Wichita, Kansas 67202

#1-8 Haag
NW SW NW Sec. 8-23S-30W
Finney County, Kansas
API #15-055-20,916

FORMATION TOPS:

Anhydrite	2047	+812
Base Anhydrite	2062	+797
Heebner	4000	-1141
Lansing	4050	-1191
Muncie Creek	4250	-1391
Stark	4353	-1494
Hushpuckney	4394	-1535
BKC	4435	-1576
B/Pleas.	4481	-1622
Cherokee	4621	-1762
Morrow Sand	4742	-1883
Miss. Ste. Gen.	4748	-1889
St. Louis	4840	-1981
RTD	4900	-2041

LOG TOPS:

Anhydrite	2048	+811
Base Anhydrite	2063	+796
Heebner	4002	-1143
Lansing	4052	-1193
Muncie Creek	4248	-1389
Stark	4354	-1495
Hushpuckney	4398	-1539
BKC	4438	-1579
B/Pleas.	4485	-1626
Cherokee	4624	-1765
Morrow Sand	4746	-1887
Miss. Ste. Gen.	4756	-1897
St. Louis	4845	-1986
LTD	4904	-2045

DST #1 4707-4778 (L.Cher.,Morrow)

V strong blow off bottom immediately
30-30" 30-30", Rec. 2240' GIP, 1500'
CGO, 38° grav. @ 60°F. SIP 759/759#
FP 178/312#, 401/464# Hyd. 2206/2169#

DST #2 4755-4778

30-30" 30-30" V strong blow off bottom
immediately. Gas to surf. in 65". Rec.
1650' CGO, 38° grav. SIP 759/759#,
FP 178/312#, 401/464#, Hyd. 2206/2169#

DST #3 4780-4820

Wk blo died in 8", 30-30" 30-30"
Rec. 2' mud. SIP 89/44#, FP 44/44#
44/44#, Hyd. 2169/2261#

DST #4 4820-4860 (St. Louis "C")

Wk blow died 14" 30-30" 30-30"
Rec. 60' mud. SIP 1164/1119#
FP 44/44# 53/53#, Hyd 2308/2261#