

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5886
 Name Chief Drilling Co., Inc.
 Address .. 905 Century Plaza Wichita, KS
 67202
 City/State/Zip

Purchaser... Koch

Operator Contact Person F.W. Shelton, Jr.
 Phone ... 316-262-3791

Contractor: License # 5883
 Name Warrior Drilling Co. #2

Wellsite Geologist..... Jim Gribbi
 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

4-17-85 4-27-85 5-21-85
 Spud Date Date Reached TD Completion Date
 4250'
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at..... 304' feet
 Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
 If yes, show depth set. 1837..... feet
 If alternate 2 completion, cement circulated
 from... 1837... feet depth to surface 450 SX cmt

API NO. 15-..... 063-20,882.....

County..... Gove

SE.. SE.. SW Sec... 17 Twp... 15S Rge... 28 ☐ East
☒ West

330
 2970 Ft North from Southeast Corner of Section
 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

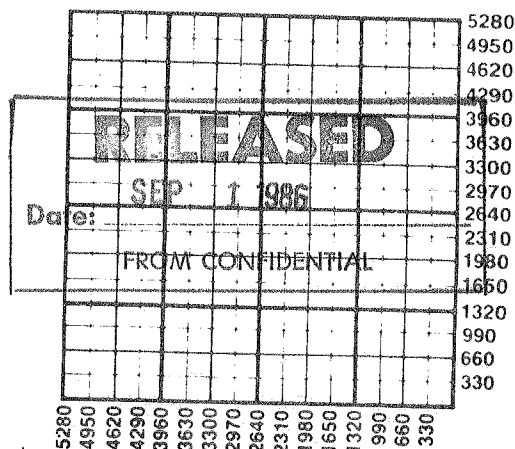
Lease Name..... ZIEGENBALG Well #..... "A" #1

Field Name.....

Producing Formation..... Lansing

Elevation: Ground... 2427... 2431... 2434

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
 Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

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). Cheyenne Oil Serv... hauled
 fresh water (purchased from city, R.W.D. #)
 1,440 bbl.

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.

SIDE TWO

Chief Drilling Co., Inc.

Ziegenbalg "A"

Operator Name Lease Name..... Well #...1.....

Sec. 17..... Twp. 15S. Rge. 28..... ☐ East
☒ West County.....Gove.....

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

Top Bottom

1-21-85

(LKC 70 zone) 30-45-30-45 1st open weak blow, 2nd open weak blow died in 30 min., Rec. 30' W, 1' O, IBHP: 1109 1074#, FBHP: 1802#-1756 FFP: 44-44 FFP: 44-44 BHT 121'

FORMATION TOPS:

Anhydrite 1862 + 572
Base Anhydr. 1892 + 542
Heebner 3559 - 1124
Toronto 3594 - 1160
LKC 3594 - 1160
Muncie Creek 3750 - 1316
Stark Shale 3849 - 1415
Hush Puckney 3882 - 1448
BKC 3921 - 1487
Marmaton 3945 - 1511
Ft. Scott 4101 - 1667
Cherokee 4129 - 1695
Mississippi 4214 - 1780
RTD 4250 - 1816

E-LOG TOPS:

Anhydrite 1853 + 581
Base Anhydr 3559 - 1125
Heebner 3595 - 1161
LKC 3754 - 1320
Muncie Creek 3850 - 1416
Stark 3884 - 1450
Hush Puckney 3919 - 1485
BKC 3938 - 1504
Marmaton 4026 - 1592
Pawnee 4106 - 1672
Fort Scott 4130 - 1696
Cherokee 4216 - 1782
Mississippi 4252 - 1818
LTD

Well Log

Sand	0	543
Sand & Clay	543	1255
Shale	1255	1862
Anhydrite	1862	1892
Shale	1892	2840
Shale Lime	2840	3882
Lime Shale	3882	4005
Lime	4005	4250
RTD	4250	

CONFIDENTIAL

4-24-85

DST #5 3881-3912 (LKC 220 zone) 30-45-75-45 very strong blow throughout, Rec. 400' GIP 210' MCO (7%G, 53%O, 40%M), 720' W, IBHP: 1164#, FBHP: 1164#, IFF: 89-133 FFP: 178-401 Hydrostatic Press. 1985-1893 BHT 131

4-24-85

DST #6 3918-3966 (Marmaton) 30-45-90-45 fair blow in 5 min., Rec. 105' MW IBHP: 133 FBHP: 133 IFF: 89-89 FFP: 89-89 Hydrostatic Press. 1985-1893 BHT 129

4-25-85

Drilling @ 3990'

4-26-85

DST #7 4090-4130 (Ft. Scott) 30-30-30-30 very wk. blow died in 20", Rec. 10' M, IBHP: 44#, FBHP: 44#, IFF: 35-35 FFP: 35-35, ran E-log T.D. 4250'

4-27-85

Ran 110 jts. used 10 1/2" 4 1/2" casing, 3980' pipe set @ 3986', cemented w/150 sks. common, 2% gel, 3% gilsonite, 5 centralizers @ 3968', 3910', 3850', 3780', 1874', cement control basket @ 1874', insert float @ 2968', biter port collar @ 1836' completed @ 7:15 a.m.

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....	12.1/4..	8.5/8".20#	new set	@.304!	cem.w/190.sk	190.sx	60-40 posmix
...production..	7.7/8..	4.1/2".10.5#	3980'	cem.w/150.sk	3% c.c...2% gel	common	2% gel, 3% gil

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
.....	3832' w/.1 hole perf...3862' w/.1 hole		
.....	acidized w/2000.gall...15% NE.6.BPM @.1700#,...load.110.bbls.		
.....	swab back load...swab down.106.41.bbls.		

TUBING RECORD

Size 2 3/8"

Set At 2963.33

Packer at none

Liner Run

☐ Yes ☒ No

Date of First Production

5-21-85

Producing Method

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....