

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 Koch Oil Co.

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

Contractor: License # 5883
Name Warrior Drilling Co.

Wellsite Geologist Mitch Allen
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 OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-18-86 9-27-86 10-28-86
Spud Date Date Reached TD Completion Date
RTD 4710 4549
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 2166 feet
If alternate 2 completion, cement circulated
from 0 feet depth to 2166 w/.175 SX cmt

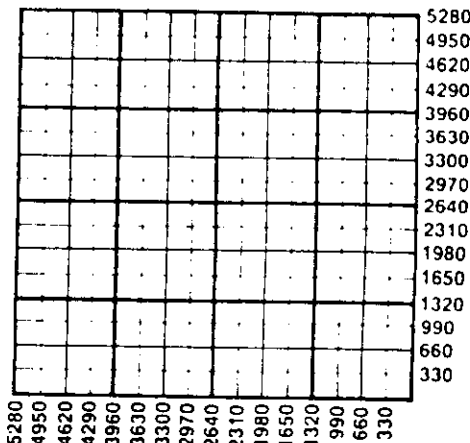
API NO. 15-101-21,333:000
County Lane
SW NE SW Sec 36 Twp 19 Rge 29 East West

1650 Ft North from Southeast Corner of Section
3730 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name TRIAN Well # 3
Field Name J-MUR, NE

Producing Formation Lansing
Elevation: Ground 2820 KB 2827

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
SW NE SW Sec 36 Twp 16 Rge 29 East West
J.C. Walker Dighton, Ks.
 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 30th day of October 19, 1986

Notary Public Martha E. Gustin

Date Commission Expires

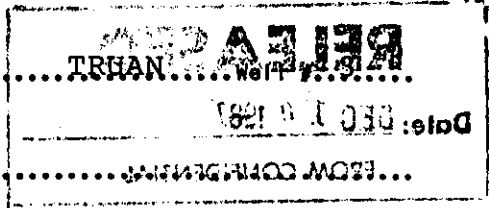
MARtha E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS

Rec'd 12-12-86

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)

Sec 36 Twp 19 Rge 29

Operator Name Chief Drilling Co., Inc. Lease Name.....



Sec. 36 Twp. 19S Rge. 29 East West County Lane

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

9-23-86 DST #1 4300-4383 (Lans Upper 200) 30-60-90 -60 IF: very strong blow off bucket in 1" FF: strong blow Rec. 5' clean oil, 1650' water, chlor. 41,000 ppm. IBHP: 939# FBHP: 939# IFF: 223-715 FFP: 759-939
9-24-86 DST #2 4332-4343 (Lower Lans 200') 30-45-75-45 IF: bldg. to strong blow off bottom of bucket in 30" FF: Blow off bottom of bucket in 15", Rec. 290' W w/skim of oil on top chlor 43,000 ppm. IBHP: 894# FBHP: 849# IFF: 44-71 FFP: 107-142 DST #3 4345-4351 (Middle Cr) 30-30-90-45 IF: fr. bl FF: st bl, Rec. 120' GIP, 100' Cl G O, 40 grav. 2 60 degrees, IBHP: 392# FBHP: 3123 IFF: 44-44 FFP: 53-53
9-25-86 DST #4 4350-4385 (Lans 220z) 30-45-60-60 IF: st bl FF: st bl, Rec. 900' GIP, 1500' Cl G O 41 gr. 2 60 deg IBHP: 715# FBHP: 741# IFF: 116-294 FFP: 357-317
9-26-86 DST #5 4404-4477 (Marmaton) 30-30-90-60 IF: Fr bl bldg to strong in 10", FF: st blow Rec. 150' GIP, 350' Cl G O, 36 gr @ 60 deg IBHP: 133# FBHP: 652# IFF: 62-62 FFP: 62-151
9-27-86 RTD 4710 ran 113 jts. 4560' set @ 4566' centralizers @ 4494-4400-4330-2166, cement control basket @ 2166, cem. w/175 sks AFC 10% salt flushed ahead w/10 bbls. WFR, 11bbls disco, plug down @ 6:15 pm

Table with columns Name, Top, Bottom. Lists formation tops and E-LOG tops including Anhydrite, Heebner, Toronto, Lansing, Muncie Cr, Stark, Hush Puckney, BKC, Marmaton, Pawnee, Ft. Scott, Cherokee Sh, Lime, Miss Dolo, RTD.

Well Log table with columns Name, Top, Bottom. Lists Clay/Sand, Shale, Anhydr., Shale, Shale/Lime, Lime with corresponding top and bottom depths.

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

Table with columns Purpose of String, Size Hole, Size Casing, Weight, Setting Depth, Type of Cement, #Sacks Used, Type and Percent Additives. Includes Surface and Production entries.

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

Table with columns Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth. Includes entries for acid treatments.

TUBING RECORD Size 2 3/8 Set At 4550.39 Packer at Liner Run [] Yes [X] No

Date of First Production 10-28-86 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (explain).....

Table with columns Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes Estimated Production Per 24 Hours (100 Bbls) and Gravity (32.5).

METHOD OF COMPLETION FROM CONFIDENTIAL

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) 4363-4366 4375-4377 [] Dually Completed [] Commingled [X] single

State

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING

SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

(318) 262-3791

DAILY DRILLING REPORT API: 15-101-21,333 RIG #2

TRUAN #3
SW NE SW 36-19S-29W
LANE COUNTY, KANSAS

ELEVATIONS: 2820 GR
2824 DF
2827 KB

9-15-86 Moved in 3 loads
 9-16-86 Moved in 5 loads
 9-17-86 To muddy to move
 9-18-86 Finished moving in, spudded in @ 12:15 pm
 ran 295' new 20# 8 5/8" set @ 304' cement
 w/175 sks 60-40 posmix 3% cc 2% gel, plug
 down @ 6:00 pm
 9-19-86 Drilling @ 1262'
 9-20-86 Drilling @ 2420'
 9-21-86 Drilling @ 3079'
 9-22-86 Drilling @ 3830'
 9-23-86 DST #1 4300-4323 (Lans Upper 200) 30-60-90
 -60 IF: very strong blow off bucket in 1"
 FF: strong blow Rec. 5' clean oil, 1650'
 water, chlor. 41,000 ppm. IBHP: 939# FBHP:
 939# IFP: 223-715 FFP: 759-939
 9-24-86 DST #2 4332-4343 (Lower Lans 200') 30-45-
 -75-45 IF: bldg. to strong blow off bottom
 of bucket in 30" FF: Blow off bottom of
 bucket in 15", Rec. 290' W w/skim of oil
 on top chlor 43,000 ppm. IBHP: 894# FBHP:
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 @ 60 degrees, IBHP: 392# FBHP: 3123 IFP:
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 9-25-86 DST #4 4350-4385 (Lans 220z) 30-45-60-60 IF:
 st bl FF: st bl, Rec. 900' GIP, 1500' C1 G O
 41 gr. @ 60 deg IBHP: 715# FBHP: 741# IFP:
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 Fr bl bldg to strong in 10", FF: st blow
 Rec. 150' GIP, 350' C1 G O, 36 gr @ 60 deg
 IBHP: 133# FBHP: 652# IFP: 62-62 FFP: 62-151
 9-27-86 RTD 4710 ran 113 jts. 4560' set @ 4566'
 centralizers @ 4494-4400-4330-2166, cement
 control basket @ 2166, cem. w/175 sks AFC
 10% salt flushed ahead w/10 bbls. WFR, 11bbls
 disco, plug down @ 6:15 pm

FORMATION TOPS:

Anhydrite	2143 +	684
B/Anhydrite	2172 +	655
Heebner	3972 -	1145
Toronto	3987 -	1160
Lansing	4014 -	1187
Muncie Cr	4196 -	1369
Stark	4300 -	1473
Hush Puckney	4345 -	1518
BKC	4384 -	1557
Marmaton	4412 -	1585
Pawnee	4512 -	1685
Ft. Scott	4559 -	1732
Cherokee Sh	4582 -	1755
Miss. Lime	4662 -	1835
Miss Dolo.	4677 -	1850
RTD	4710 -	1883

E-LOG TOPS:

Anhydrite	2141 +	686
Base Anhydr		
Heebner	3974 -	1147
Toronto	3989 -	1162
Lansing	4016 -	1189
Muncie Cr	4199 -	1372
Stark	4303 -	1476
Hush Puckney	4346 -	1519
BKC	4388 -	1561
Marmaton	4415 -	1588
Pawnee	4512 -	1685
Ft. Scott	4560 -	1733
Cherokee Sh	4584 -	1757
Miss Lime	4660 -	1833
Miss Dolo	4683 -	1855
LTD	4713 -	1886

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

NOV 12 1986

11/12/86

RELEASED

DEC 23 1987

FROM CONFIDENTIAL

State

CHIEF DRILLING CO., Inc.

Drilling Contractors - Oil Producers

151 N. MAIN BUILDING

SUITE 700

WICHITA, KANSAS 67202

V. RICHARD HOOVER
PRESIDENT

(316) 262-3791

DAILY COMPLETION REPORT

TRUAN #3
SW NE SW 36-19S-29W
LANE COUNTY, KS.

- 10-07-86 Moved in Warrior Drilling double drum, cement casing from basket @ 2166' to ground level.
- 10-08-86 Ran correlation cement bond and collar log, swab down casing, Perf. 4 sh per ft. 4425-4427 expandable gun
1/2 hr. test dry
acidized w/500 gal 15% NE 1 BPM @ 1450# max psi, total load 85 bbls. swab down 75 bbls.
- 10-09-86 730' fill up, 1 hr. test 3.48 bbls., trace W
2 hr. test 2.32 bbls., trace W
3 hr. test 2.32 bbls., trace W
perf. 1 sh per ft. expandable gun 4351-4356 4364-4376, set retrievable plug @ 4397. Acidized w/2000 gal 15% NE @ 10 BPM @ 1450# max psi on vacuum in 3 min. shoot out perfs. @ 4350-4354 4354-4357 4360-4362 4374-4376 total load 118 bbls.,
- 10-10-86 swab down casing to 3500' 124 bbls., test from 2800'
1 hr. test 8.12 bbls., 11% O
2 hr. test 12.56 bbls., trace O
3 hr. test 13.92 bbls., trace O
- 10-13-86 Ran packer and tubing to squeeze perf. set packer @ 4278' mix and pump 200 sks. 60/40 posmix squeeze to 2500#. Wash cement out of tubing pressure to 1000#, wash cement off perforations and sand off plug pressure to 500#, pressure held. POH w/tubing and packer
- 10-14-86 Waiting on Cement
- 10-15-86 Ran packer and tubing to 4359' perf. 2 sh per ft. expandable guns 4363-4366 4375-4377 acidized w/500 gal 15% INS 800# max. psi 1 BPM total load 29 bbls., swab down 32 bbls.
- 10-16-86 1600' fill up, 375' O 1220' W, 1/2 hr. test 5.80 bbls., 8% O
1/2 hr. test 5.80 bbls., trace O
POH w/500' tubing and packer ran survey, shows acid has been from 4334-4405'
- 10-17-86 Set plug @ 4410' set packer @ 4278' mix and pump 160 sks cement 60/40 posmix. Squeeze to 2000# wash cement out of tubing. Pressure 10 1000#, could not wash cement out of casing. light 90 cement in csg. POH w/packer & tubing ran in hole w/3 7/8" rock bit.
- 10-20-86 Drill cement from 4278-4379 pressure casing to 500# wash sand off plug POH w/bit and tubing
- 10-21-86 ran log to trace iodine shows cement went from 4334-4405 ran packer and tubing set plug @ 4405 set packer @ 4359 swab down casing
1/2 hr test 1.16 bbls., W w/trace O
1/2 hr test 1.16 bbls., W w/trace O
1/2 hr test .58 bbls., W w/trace O
- 10-22-86 2.03 bbls., O, 2.90 bbls., W
1/2 hr. .58 bbls., W w/ trace O
1/2 hr. .58 bbls., 14% O
1/2 hr. .58 bbls., 18% O

NOV 5 1986
11/5/86

RELEASED
DEC 22 1987
FROM CONFIDENTIAL

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Drilling Contractors - Oil Producers

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SUITE 700

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DAILY COMPLETION REPORT

PAGE TWO

TRUAN #3
SW NE SW 36-19S-29W
Lane Co., Ks.

10-22-86	Continued	1/2 hr test .29 bbls., 33% O
		1/2 hr test .29 bbls., 40% O
		1/2 hr test .29 bbls., 43% O
		1/2 hr test .14 bbls., 43% O
		1/2 hr test .14 bbls., 45% O
		1/2 hr test .14 bbls., 50% O
		1/2 hr test .14 bbls., 55% O
		1/2 hr test .14 bbls., 55% O
10-23-86	1087' fill up, 435' O, 652' W, acidized w/250 gallons 15% INS 300# max psi, 1/2 BPM total load 23.50 bbls., swab down 22.50 bbls.,	
		1/2 hr test 4.35 bbls., 5% O
		1/2 hr test 4.06 bbls., 8% O
		1/2 hr test 4.06 bbls., 12% O
		1/2 hr test 4.06 bbls., 16% O
		1/2 hr test 4.06 bbls., 22% O
		1/2 hr test 4.06 bbls., 26% O
		1/2 hr test 3.48 bbls., 26% O
		1/2 hr test 3.48 bbls., 26% O
10-24-86	1632' fill up, 570' O, 1162' W, release packer and bridge plug POH w/same	
	ran 140 jts. tubing	4521.39
	mud anchor	29.00
	Total	4550.39
10-27-86	ran 2 x 1 1/2 x 12 THD insert pump 180 3/4 rods	
10-28-86	POP	

RELEASED

DEC 24 1987

FROM CONFIDENTIAL