

SIDE ONE

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

Operator: License # 5056Name: F. G. Holl CompanyAddress 6427 E. KelloggP.O. Box 780167City/State/Zip Wichita, KS 67278-0167Purchaser: Texaco Trading & Transpt.Operator Contact Person: Elwyn H. NagelPhone (316) 684-8481Contractor: Name: Sterling Drilling Co.License: 5142Wellsite Geologist: Brent B. Reinhardt

Designate Type of Completion

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

If OWD: old well info as follows:

Operator: _____

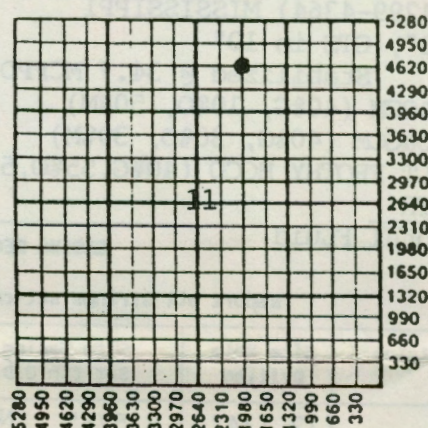
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable5/1/90 5/7/90 6/7/90

Spud Date Date Reached TD Completion Date

API NO. 15- 047-21,355County EdwardsC NW NE Sec. 11 Twp. 24s Rge. 17w X East West4620 Ft. North from Southeast Corner of Section1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name GRIZZELLE Well # 8-11Field Name MasseyProducing Formation MississippiElevation: Ground 2098' KB 2107'Total Depth 4470' PBTD NoneAmount of Surface Pipe Set and Cemented at 319' KB, FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

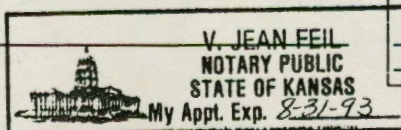
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ 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 Elwyn H. NagelTitle Elwyn H. Nagel, Manager Date 8/21/90Subscribed and sworn to before me this 21st day of August, 19 90.Notary Public V. Jean FeilDate Commission Expires 8-31-93

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)

SIDE TWO

Operator Name F. G. Holl CompanyLease Name GRIZZELLEWell # 8-11Sec. 11 Twp. 24S Rge. 17☐ EastCounty Edwards☒ West

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.)

DST #1 (EL:4299-4364) MISSISSIPPI

1) SBOB in 1", GTS in 10"

2) SBOB Stabilized @ 34.7 MCFPD

REC: 150' O&GCM (40%G, 10%O, 50%M)

200' HO&GCM (40%G, 30%O, 30%M)

970' SLT FROTHY HGCO (40%G, 55%O, 5%M)

30' WTR

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Topeka	3335 (-1228)	Cherokee SD 4272 (-2165)
Heebner	3701 (-1594)	Miss 4292 (-2185)
Douglas	3737 (-1630)	Kinderhk SH 4361 (-2254)
Brown Lime	3827 (-1720)	Kinderhk SD 4370 (-2263)
Lansing	3838 (-1731)	Viola 4404 (-2297)
BKC	4121 (-2014)	RTD 4470 (-2363)
Cherokee SH	4260 (-2153)	LTD 4469 (-2362)

IHP: 2195 IFP: 521-301:30" ISIP: 1250:60"

HHP: 2165 FFP: 382-466:60" FSIP: 1201:90"

BHT: 128°F

1350' Total Fluid

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" New	24#	319'KB	60/40 POZM	225	2%Gel 3%CC
Production	7 7/8"	4 1/2" New	10.5#	4466'KB	Lite	100	Salt, Gils.
					50/50 POZM	125	

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

2 SPF	4298-4324 Miss	AC:1250gls 15% DSFE, FR:49,600 gls MY-T-GEL III L.T. X-Link (310 sks 20/40 & 420 sks 12/20 sand	4324'

TUBING RECORD

Size
2"Set At
4288'Packer At
None

Liner Run

☐ Yes ☒ NoDate of First Production
6/15/90

Producing Method

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production
Per 24 HoursOil Bbls.
110Gas Mcf
10 MCFPDWater Bbls.
47

Gas-Oil Ratio

Gravity

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) _____

4298-4324'