

## 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: NoneOperator Contact Person: Elwyn H. NagelPhone (316) 684-8481Contractor: Name: Sterling Drilling CompanyLicense: 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 OWMO: old well info as follows:

Operator: \_\_\_\_\_

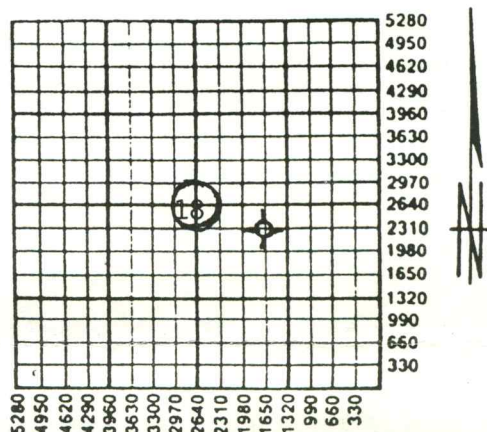
Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable8/28/90 9/4/90 9/4/90

Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,712County StaffordNE NW SE Sec. 18 Twp. 21s Rge. 11w X East West2310 Ft. North from Southeast Corner of Section1650 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)Lease Name RADER Well # 4-18Field Name Sandago SouthProducing Formation NoneElevation: Ground 1805' KB 1814'Total Depth 3650' PBDT NoneAmount of Surface Pipe Set and Cemented at 273' KB FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

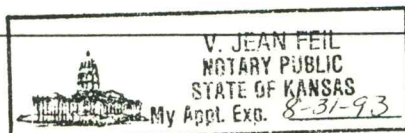
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**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 12/28/90Subscribed and sworn to before me this 28<sup>th</sup> day of December, 19 90.Notary Public V. Jean Feil

Date Commission Expires \_\_\_\_\_



## 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 Company Lease Name RADER Well # 4-18  
 Sec. 18 Twp. 21s Rge. 11w ☐ East ☒ West  
 County Stafford

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
ANHYDRITE TOP	570 (+1244)	LANSING 3186 (-1372)
ANHYDRITE BSE	587 (+1227)	BKC 3407 (-1593)
HOWARD LS	2657 (- 843)	MARMATON 3410 (-1596)
TOPEKA	2752 (- 938)	CONGLOMERATE 3436 (-1622)
HEEBNER	3042 (-1228)	VIOLA NP NP
TORONTO	3062 (-1248)	SIMPSON SH 3474 (-1660)
DOUGLAS SH	3074 (-1260)	SIMPSON SD 3493 (-1679)
BROWN LIME	3171 (-1357)	ARBUCKLE 3535 (-1721)
		RTD = LTD 3650 (-1836)

## 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" (N)	24#	273'	60/40 POZM	225	2%Gel, 3%CC

## PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

NONE							

## TUBING RECORD

Size

Set At

Packer At

Liner Run

☐ Yes ☐ No

NONE							
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
NONE							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas:

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

## METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

Production Interval

D&A



# F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167  
WICHITA, KS 67278-0167

ACO-1 (Continued)

RE: RADER #4-18  
NE NW SE, Sec 18-21s-11w  
Stafford County, KS

## DST #1 (3350-3380) LKC "J" ZONE

1) WB Dead in 2.5 mins. 2) NB, Flush, NB

REC: 70' DM

IHP: 1685 IFP: 65-44:30" ISIP: 43:30" BHT: NA

FHP: 1651 FFP: 42-88:30" FSIP: 179:30" CHL: NA

## DST #2 (3424-3466) CONGLOMERATE

1) WB Dead in 2", Flush, NB 2) NB

REC: 5' DMw/Show Oil on Tool

IHP: 1718 IFP: 69-50:30" ISIP: 50:30" BHT: 106F

FHP: 1698 FFP: 49-49:30" FSIP: 49:30" CHL: NA

## DST #3 (3466-3515) SIMPSON SAND

1) NB, Flush, WB Dead in 13 mins. 2) NB

REC: 10' DM

IHP: 1743 IFP: 74-57:30" ISIP: 63:30" BHT: 106F

FHP: 1759 FFP: 60-60:30" FSIP: 63:30" CHL: NA

## DST #4 (3535-3540) ARBUCKLE

1) Weak Intermittent Blow Dead in 13 mins. 2) NB, Flush, Weak Steady 1/4" Blow

REC: 55' OCM (12%O, 88%M)

IHP: 1758 IFP: 12-19:30" ISIP: 1131:45" BHT: 106F

FHP: 1694 FFP: 47-30:30" FSIP: 1049:45" CHL: NA

## DST #5 (3540-3545) ARBUCKLE

1) NB, Flush, NB 2) NB, Flush, NB

REC: 5' DM

IHP: NA IFP: NA :15" ISIP: NA :15" BHT: NA

FHP: NA FFP: NA :15" FSIP: NA :15" CHL: NA

CHARTS SHOW PLUGGING ACTION.

## DST #6 (3540-3550) ARBUCKLE

1) No Packer Seat, Reset, WB Dead in 1" 2) NB, Flush, WB Dead

REC: 220' SltoSpkMud

60' SltoCM (6%O, 94%M)

60' SltoGCM (14%G, 14%O, 72%M)

60' SltoGCM (20%G, 15%O, 65%M)

400' Total Fluid

IHP: 1777 IFP: 210-211:30" ISIP: 1119:30" BHT: 108F

FHP: 1712 FFP: 204-213:30" FSIP: 1083:45" CHL: NA