

21516-00-00

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 # 9668  
Name Imperial Oil & Gas, Inc.  
Address 720 Fourth Financial Center  
City/State/Zip Wichita, Kansas 67202

Purchaser Permian

Operator Contact Person Barbara Waitt  
Phone 316/263-5205

Contractor: License # 5302  
Name Red Tiger Drilling

Wellsite Geologist Peter J. Stubbs  
Phone 316/267-9428

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

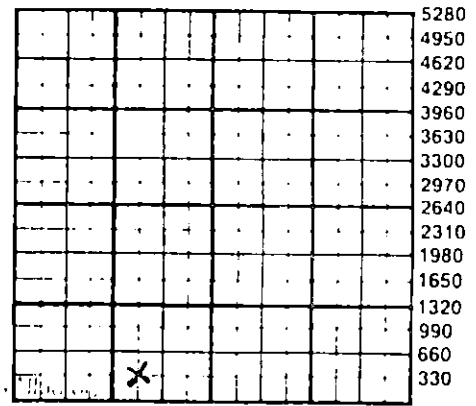
If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
11/26/84 12/10/84 1/2/85  
Spud Date Date Reached TD Completion Date  
4868'  
Total Depth PBSD  
Amount of Surface Pipe Set and Cemented at 404 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt

API NO. 15-151-21,518  
County Pratt  
C. SW SE SW Sec. 4 Twp. 29S Rge. 15  East  West  
330 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)  
Lease Name SPINES Well # 2-4  
Field Name Unnamed SPRINGVALE, N.W.  
Producing Formation Viola  
Elevation: Ground 2011 KB 2016

Section Plat



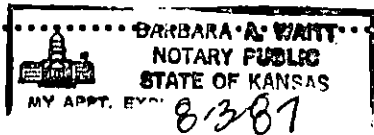
WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit # T84-895  
 Groundwater 255 Ft North from Southeast Corner (Well) 3630 Ft West from Southeast Corner of Sec 4 Twp 29S Rge 15  East  West  
 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 Robert J. ...  
Title Vice-President Date 1/8/85  
Subscribed and sworn to before me this 8th day of January 1985  
Notary Public Barbara A. Waitt  
Date Commission Expires



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Section 1, Twp. 29, Rge. 15, W. 4

Operator Name Imperial Oil & Gas, Inc. Lease Name SPINES Well # 2-4

Sec. 4 Twp. 29S Rge. 15  East  West County Pratt

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

DST #1: 4304-4342(85-60-60-60)  
 1st open, fair blow, 2nd open, weak blow. Rec. 70' sltly OCMSW. IFP: 62-72, FFP: 72-93, ISIP: 1356, FSIP 1284.

DST #2: 4342-4410 30-30-30-30  
 1st open, weak blow; 2nd open, no blow. Rec. 3' mud IFP: 41-41, FFP: 51-51, ISIP: 72, FSIP:62

DST #3: 4410-4530 30-30-30-30  
 1st open, weak blow; 2nd open, no blow, Rec. 10' mud IFP: 93-103, FFP: 93-103, ISIP: 124, FSIP: 114

DST #4: 4530-4565 (Miss) 60-90-60-90  
 Strong blow. Rec. 1160' GIP, 40' SOGCM IFP: 31-31, FFP: 31-41, ISIP: 782, FSIP: 690

DST #5: 4565-4645 60-60-60-60-  
 1st open, weak blow, died in 50 min. Rec. 20' mud IFP: 62-62, FFP: 62-62, ISIP: 134, FSIP: 83

Name	Top	Bottom
"I" Zone	4311	-2295
B/KC	4435	-2419
Marmaton	4452	-2436
Pawnee	4496	-2480
Cherokee Sh.	4526	-2510
Miss	4532	-2516
Kind. Shale	4562	-2546
Kinderhook Chert	4611	-2595
Viola Dolomite	4718	-2702
Simpson Shale	4728	-2712
Simpson Sand	4745	-2729

RELEASED

MAY 29 1986

FROM CONFIDENTIAL

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 1/2"	8 5/8	20#	402'	Lite	150	
Production	5 1/2"		14#	4859'	Common	225	3% cc, 2% gal
					50-50 POZ	125	18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	4749-4853 (Simpson)			500 gals. FE Acid, 15% double strength, 27 1/2 gals. Chem Stem 10			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled .....

Page Two  
IMPERIAL OIL & GAS, INC.  
SPINES #2-4  
Pratt County, Kansas

DST #6: 4625-4705 60-60-60-60

1st open, weak blow, died in 35 min; 2nd open. no blow;  
Recovered 15' mud.

IFP: 52-52 ISIP: 93  
FFP: 62-62 FSIP: 72

DST #7: 4705-4734 30-60-30-60

1st open, weak blow, died in 25 min.; 2nd open, no blow;  
Rec. 15' mud.

IFP: 31-31 ISIP: 52  
FFP: 41-41 FSIP 52

DST #8: 4728-4757 60-60-60-60

1st open, fair blow; 2nd open, weak blow, incr. to strong blow.  
Rec. 780' mud

IFP: 52-103 ISIP: 2757  
FFP: 103-430 FSIP:

**RELEASED**

**MAY 29 1986**

**FROM CONFIDENTIAL**

JAN 1 1983

**CONFIDENTIAL**  
JAN 1 1983