

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

Operator Contact Person Barbara A. Waitt
Phone 316/263-5205

Contractor: license # 5829
name Aldebaran Drilling

Wellsite Geologist Paul Laird
Phone 316/267-4464

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

9/21/84... 10/3/84... 10/17/84
Spud Date Date Reached TD Completion Date
4875' NA
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 434 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. 15 151-21,482-00-60
County Pratt
C W/2 NE SW Sec 4 Twp 29S Rge 15 East West
(location)

1980 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# 1-4

Field Name Springdale NW

Producing Formation Viola

Elevation: Ground 2021 KB 2030

Section Plat

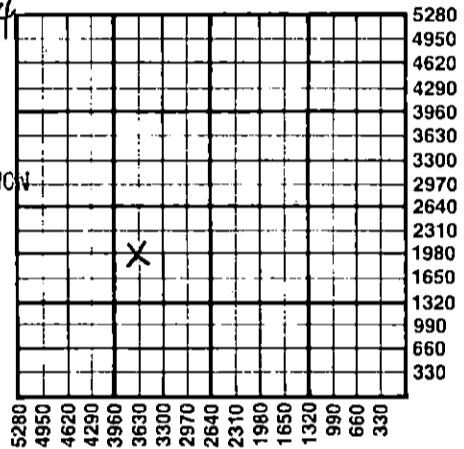
11-14-84

RECEIVED

STATE CORPORATION COMMISSION

NOV 14 1984

CONSERVATION DIVISION
Wichita, Kansas



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater... Ft North From Southeast Corner and (Well) ... Ft. West From Southeast Corner of Sec Twp Rge East West
 Surface Water... Ft North From Southeast Corner and (Stream, Pond etc.) ... Ft West From Southeast Corner Sec Twp Rge East West
 Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket #

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. Rules 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 C. Spulso
Title Vice-President Date 11/12/84
Subscribed and sworn to before me this 13th day of November 19 84

Notary Public BARBARA A. WAITT
Date Commission Expires NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 8-3-87

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)

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec. 4 Twp. 29N Rge. 15W

Operator Name Imperial Oil & Gas, Inc Lease Name Spines Well# 1 SEC 4 TWP 29S RGE 15 East West

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: 4392-4436 ("K" Zone of KC) 60-60-60-60
 1st open, strong blow throughout. 2nd open, gts 20 min.
 ISIP: 1149 FSIP: 1063
 IFP: 59-88 FFP: 98-117 Rec. 60' free oil, 120'
 heavy oil and gas cut mud.

DST #2: 4492-4540 60-60-60-60
 ISIP: 68 FSIP: 68
 IFP: 68-68 FFP: 68-68 Rec. 10' mud.

DST #3: 4542-4593 60-90-60-90
 ISIP 1628 FSIP: 1609
 IFP: 39-49 FFP: 49-32 Rec. 40' sl. gas cut mud.

DST #4: 4644-4740 60-60-60-60
 ISIP: 564 FSIP: 670
 IFP: 68-205 FFP: 224-234 Rec. 125' sl. gas cut mud,
 240' heavily oil and gas cut mud.

DST #5: 4735-4766 60-60-60-60
 ISIP: 156 FSIP: 166
 IFP: 27-59 FFP: 166
 Rec. 60' mud, 60' mud w/speck of oil.

DST #6: 4762-4805 60-60-60-60
 1st open: very weak blow, 2nd open, no blow, rec. 60'
 mud.
 ISIP: 747 FSIP: 487
 IFP: 117-58 FFP: 107-68

Name	Top	Bottom
Heebner	3904	-1824
Brown Limestone	4074	-2044
Lansing	4074	-2044
"K" Zone KC	4406	-2375
B/KC	4445	-2415
Marmaton	4457	-2427
Mississippi	4541	-2511
Viola	4622	-2592
Simpson Shale	4737	-2707
Simpson Sand	4752	-2722

CASING RECORD <input checked="" 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#	434'	Lite Common	175 125	3% Ca, 2% cc
Production		5 1/2"	14#	4874'	Lite Common	75 125	50-50 POZ, 18 4%
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	4724-30'			250 gals., 10% acetic acid, 500 gals. 15% MCA acid, 2.500 gals. MOD ZOX w/ 70 quality Nitrogen			
				Frac'd w/ 20,000 # sand			4300
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			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify) _____

PRODUCTION INTERVAL: _____

Dually Completed Commingled

