

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 # 4668
Name Seville Drilling Corporation
Address 10 Esquire Road
City/State/Zip New City, New York 10956

Purchaser

Operator Contact Person D.I. Stegman
Phone 913-222-2633

Contractor: License # 4083
Name Westard Kansas Drilling, Inc.

Wellsite Geologist D.I. Stegman
Phone 913-222-2633

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2-16-87 3-1-87 3-2-87
Spud Date Date Reached TD Completion Date
3629' 3800'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1141 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2' completion, cement circulated from feet depth to SX amt
Cement Company Name
Invoice #

API NO. 15-165-21.376-00-00
County Rush
SE NE SW Sec 23 Twp 16 Rge 17
1650 Ft North from Southeast Corner of Sect 1
2970 Ft. West from Southeast Corner of Sect 1
(Note: Locate well in section plat below)
Lease Name Stramel Well # R-1
Field Name
Producing Formation
Elevation: Ground 2004 KB 2009
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 Sec Twp Rge 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 a 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 on 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 been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Michael Mahan
Title V.P.
Date 9/10/87

Subscribed and sworn to before me this 10 day of Sept 1987
Notary Public Angela Pastore

Date Commission Expires ANGELA PASTORE
Notary Public, State of New York
44-4670028
Qualified in Rockland County
Commission Expires July 31, 1987

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

Operator Name Seville Drilling Corporation Lease Name Stramel Well # Rd

Sec 23 Twp 16 Rge 17 East West County Bush

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 rate 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

Name Top Bottom

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		1141'		400	60/40 poz, 3%cc, 2%gel
Production		5 1/2		3618'		200	60/40 poz, 3%cc, 2%gel, 15bls
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
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 Solid Used on Lease

Open Hole Perforation Other (Specify)

Dually Completed Conmingled

15-165-21376-00-00

DRILL STEM TEST INFORMATION

RECORDED INFORMATION

	DST #1	DST #2	DST #3	DST #4
DATE TESTED	2/23/87	2/24/87	2/25/87	2/26/87
ZONE TESTED	TOPEKA	TOPEKA	LANSING	LANSING E
INTERVAL (FT)	3005-3055	3080' - 3200'	3230-3330	3333-3380
ANCHOR LENGTH (FT)	50	110	100	47
INITIAL HYDRO (PSI)	1576	1637	1720	1746
INIT. FLOW PRES. (PSI)	49-49	16-16	49-63	16-44
INIT. SHUT-IN (PSI)	290	492	1026	1096
FINAL FLOW PRES. (PSI)	54-54	18-18	97-132	49-88
FINAL SHUT-IN (PSI)	354	433	1016	1081
FINAL HYDRO. (PSI)	1561	1628	1714	1741
TOTAL FLUID FT. (PSI)	30	20	210	183
GAS (BBL)	14.079	0	.326	0
OIL (BBL)	0	0	1.958	.028
WATER (BBL)	0	0	0	1.962
MUD (BBL)	.373	.311	.979	.853
TOTAL FLUID (BBL)	.373	.311	2.937	2.844
PIPE CAPACITY (BBL/FT)	.0165	.0155	.0165	.0155
WEIGHT PIPE CAPACITY (BBL/FT)	0	0	0	0
COLAR CAPACITY (BBL/FT)	0	0	0	0
EXTRA EQUIPMENT	NONE	NONE	NONE	NONE
TESTER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER
COMPANY REP.	D STEGMAN	D STEGMAN	D STEGMAN	D STEGMAN
HOLE SIZE (IN.)	7.875	7 7/8	77/8	7.875
ZONE POROSITY (%)	14	12(Default)	10	18
EFFECTIVE PERFT PAY	5	4(Default)	5	15
GRAVITY (API)	35(Default)	35(Default)	35(Default)	35
CHLORIDES-MUD (PPM)	44K	44K	44K	44K
CHLORIDES-REC. FLUID (PPM)			64K	71K
FORMATION TEMP. (F)	97	115(Default)	103	105
TIME PERIODS (MINUTES)	60-60-60-60	30-30-30-30	60-60-60-60	60-60-60-60
TYPE OF DRIVE	GAS			
AVERAGE WATER SATURATION (%)	35			
WATER VISCOSITY (CP)	1.00			
ABANDONMENT PRESSURE (PSI)	50			
ECONOMIC LIMIT (BOPM)	90			90

PRODUCTION CALCULATIONS

GAS/OIL RATIO	0	135
FORMATION VOL FACTOR	1.0039	1.0715
VIS OF FLUID-RESERVOIR (CP)	0	3.5623
BUBBLE POINT (PSI)	0	678.4768
EXTRAP. PRES. 1ST SI (PSI)	694.4506	1186.476
EXTRAP. PRES. 2ND SI (PSI)	795.8727	1203.214
SLOPE OF 2ND SI (PSI/LC)	880.9654	252.7992
TRANSMISS. LIQUID (md-ft/cp)	0	.3355
FLOW CAP (md-ft)	0	1.1918
PRODUCT. INDEX (BOPD/PSI)	.0004	.0023
POTENTIO. SURFACE (ft ASL)	799.6288	1419.253
PERMEABILITY (md)	0	.0794
RADIUS OF INVEST. (FT)	0	3.8352
FLOW RATE GAS (MCPD)		

15-165-21376-00-00

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FORMATION VOL FACTOR	1.0039	1.0715
VIS OF FLUID-RESERVOIR (CP)	0	3.5523
BUBBLE POINT (PSI)	0	678.4768
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FLOW CAP (md-ft)	0	1.1918
PRODUCT. INDEX (BOPD/PSI)	.0004	.0023
POTENTIO. SURFACE (ft ASL)	799.6288	1419.253
PERMEABILITY (md)	0	.0794
RADIUS OF INVEST. (FT)	0	3.8352
FLOW RATE GAS (MCF)	0	0
FLOW RATE TOTAL FLUID (BPD)	4.1247	34.0765
FLOW RATE OIL (BPD)	0	.4868
ESTIMATED DAMAGE RATIO	.1531	.783
POTENTIAL/DAMAGE REM. (BPD)	0	.4868

RESERVOIR CALCULATIONS

RECOVERY FACTOR (%)	NC	NC
ANNUAL DECLINE (%)	NC	NC
WELL LIFE (YEARS)	NC	NC
NO. ACRES AFFECTED	NC	NC
NO. ACRES NOT AFFECTED	NC	NC
ECONOMIC RESERVES (BBL)	NC	NC

DRILL STEM TEST INFORMATION

RECORDED INFORMATION

	DST #5	DST #6	DST #7	DST #8
DATE TESTED		2/27/87	2/28/87	2/28/87
ZONE TESTED	KANSAS C	BASE CON	ARBUCKLE	ARBUCKLE
INTERVAL (FT)	3393-3490	3488-3550	3551-3602	3600-3629
ANCHOR LENGTH (FT)	97	62	51	29
INITIAL HYDRO (PSI)	1866	1901	1876	1886
INIT. FLOW PRES. (PSI)	78-89	17-17	49-59	196-719
INIT. SHUT-IN (PSI)	354	31	1086	1116
FINAL FLOW PRES. (PSI)	93-104	19-19	59-69	798-976
FINAL SHUT-IN (PSI)	305	19	1026	1116
FINAL HYDRO. (PSI)	1851	1893	1856	1867
TOTAL FLUID FT. (PSI)	190	10	90	2182
GAS (BBL)	3.24	0	0	0
OIL (BBL)	.808	0	0	0
WATER (BBL)	0	0	0	33.908
MUD (BBL)	1.702	.155	1.399	0
TOTAL FLUID (BBL)	2.51	.155	1.399	33.908
PIPE CAPACITY (BBL/FT)	.0155	.0155	.0155	.0155
WEIGHT PIPE CAPACITY (BBL/FT)	0	0	0	0
COLAR CAPACITY (BBL/FT)	0	0	0	0
EXTRA EQUIPMENT	NONE	NONE	NONE	NONE
TESTER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER
COMPANY REP.	D. STEGMAN	D. STEGMAN	D. STEGMAN	D. STEGMAN

FINAL FLOW PRES. (PSI)	93-104	19-19	59-69	798-976
FINAL SHUT-IN (PSI)	305	19	1026	1116
FINAL HYDRO. (PSI)	1851	1893	1856	1867 15-165-21376-00-0
TOTAL FLUID FT. (PSI)	190	10	90	2182
GAS (BBL)	3.24	0	0	0
OIL (BBL)	.808	0	0	0
WATER (BBL)	0	0	0	33.908
MUD (BBL)	1.702	.155	1.399	0
TOTAL FLUID (BBL)	2.51	.155	1.399	33.908
PIPE CAPACITY (BBL/FT)	.0155	.0155	.0155	.0155
WEIGHT PIPE CAPACITY (BBL/FT)	0	0	0	0
COLAR CAPACITY (BBL/FT)	0	0	0	0
EXTRA EQUIPMENT	NONE	NONE	NONE	NONE
TESTER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER	SCHMEIDLER
COMPANY REP.	D STEGMAN	D STEGMAN	D STEGMAN	D STEGMAN
HOLE SIZE (IN.)	7.875	7.875	7.875	7.875
ZONE POROSITY (%)	4	12(Default)	12(Default)	15
EFFECTIVE FEET PAY	10	4(Default)	4(Default)	10
GRAVITY (API)	35	35(Default)	35(Default)	35(Default)
CHLORIDES-MUD (PPM)	52K	46K	44K	40K
CHLORIDES-REC. FLUID (PPM)	52K		37K	29.6
FORMATION TEMP. (F)	107	115(Default)	108	111
TIME PERIODS (MINUTES)	60-60-60-60	30-30-30-30	15-50-60-90	30-30-30-30
TYPE OF DRIVE	GAS		WATER	
AVERAGE WATER SATURATION (%)	35		35	
WATER VISCOSITY (CP)	1.0		1.0	
ABANDONMENT PRESSURE (PSI)	100		100	
ECONOMIC LIMIT (BOPM)	90		90	

RODUCTION CALCULATIONS

GAS/OIL RATIO	157.514	0
FORMATION VOL FACTOR	1.0693	1.0096
VIS OF FLUID-RESERVOIR (CP)	3.2965	3.2965
BUBBLE POINT (PSI)	776.0339	0
EXTRAP. PRES. 1ST SI (PSI)	847.2971	1130.873
EXTRAP. PRES. 2ND SI (PSI)	651.9536	1123.943
SLOPE OF 2ND SI (PSI/LC)	675.4106	391.79
TRANSMISS. LIQUID (md-ft/cp)	7.6879	0
FLOW CAP (md-ft)	25.3432	0
PRODUCT. INDEX (BOPD/PSI)	.0038	.0012
POTENTIO. SURFACE (ft ASL)	126.8802	1013.423
PERMEABILITY (md)	2.5343	0
RADIUS OF INVEST. (FT)	47.8642	0
FLOW RATE GAS (MCF)	0	0
FLOW RATE TOTAL FLUID (BPD)	29.864	30.3761
FLOW RATE OIL (BPD)	29.864	0
ESTIMATED DAMAGE RATIO	.1436	.5002
POTENTIAL/DAMAGE REM. (BPD)	29.864	0

RESERVOIR CALCULATIONS

RECOVERY FACTOR (%)	11.0064	NC
ANNUAL DECLINE (%)	100	NC
WELL LIFE (YEARS)	.0003	NC
NO. ACRES AFFECTED	.0069	NC
NO. ACRES NOT AFFECTED	14.9309	NC
ECONOMIC RESERVES (BBL)	1.4333	NC