API NO. 15 - 185-21,922-0000
County Stafford
C/E2 NW SE Sec 16 Twp 22 Rge 12 X West
1980 Ft North from Southeast Corner of Section1650 Ft West from Southeast Corner of Section (Note: locate well in section plat below) Lease Name Spangenberg Well# 2
Field Name Helene
Producing Formation
Section Plat 5280 4950
4620 4290 3960 3630 33300 2970 2640 2310 1980 1650 1320 990 660 330 3300 2970 2010 20
WATER SUPPLY INFORMATION Source of Water:
Division of Water Resources Permit #
Disposition of Produced Water: Disposal Repressuring Docket #
ed with the Kansas Corporation Commission, 200 Colorado Derby Building, well. Rules 82-3-130 and 82-3-107 apply. months if requested in writing and submitted with the form. See rule 82-3-107 also form. Submit CP-4 form with all plugged wells. Submit CP-111 form with
ate the oil and gas industry have been fully complied with and the statements
K.C.C. OFFICE USE ONLY F

C.	nE.	TWO

	Hoodman-Tannitti	0:1	Co	Chancanhama	2	16		2.2	10	☐ East
Operator Name	Woodman-Iannitti	011	'Lease Name	Spangemerg Well#	8	SEC	TWP	RGE	17	

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.

	FT .V	□ Na	Parantina Bassatatian
Drill Stem Tests Taken	[X] Yes □ Yes	□ No □ No	Formation Description ☐ Log ☐ Sample
Samples Sent to Geological Survey Cores Taken	☐ Yes	□ No	Cog Cample
Coles lakeli	<u></u>		Name Top Bottom
Shale	0	220	: Anhydrite 658 +1211
Shal _e	220	297	: Heebner 3157 -1288
Shale	297	658	Douglas 3187 -1316
Anhy	658	680	: Brown Lime 3283 -1414
Shale	680	855	: Lansing 3303 -1434
Shale	855	1579	Base KC 3531 -1662
Shale	1579	1785	Viola 3578 −1709
Shale & Lime	1785	2145	: Simpson Shale 3620 -1751
Shale & Lime	2145	2531	Simpson Sand 3631 -1762
Shale & Lime	2531	2840	Arbuckle 3688 -1819
Shale & Lime	2840	3104	
Shale & Lime	3104	3272	DST #1 - Wk blow, died in 21 minutes
Shale & Lime	3272	3385	30-30, REC015' mud, IFP-59-
Shale & Lime	3385	3465	59, ISIP 68#.
Lime	3465	3 535	
Lime	3535	3540	DST #2 - Strong blow, GTS 9 min.,
Lime	3540	3583	FAU 2,900 CHG, 30-45-45,
Lime	3583	3625	REC - 60 OCMW, 15% oil,
Shale	3625	3686	15% water, SIP-958#, 938#,
Lime	3683	3696	FP 88-90#0118 137#
Shale	3696	3738	:
Shale	3738	3833	:
Arb.	3833	3927	:
Arb.	3927		
			DECEIVED

RECEIVED STATE CORPORATION COMMISSION

JUL 02 1984

CONSERVATION DIVISION Wichita, Kansas

					<u> </u>					
		Ren	CASING F ort all strings set -			used		tune and		
Purpose of string		size hole drilled	size casing set (in O.D.)	weight	setting depth	type of cement	# sacks used	type and percent additives		
Surface 12-1/4: 8-5/			8- 5 /8"	23#	297'	Common	200	3%CC, @5Gel		
Production 7-7/8" 5-1/3			5-1/3"	14#	3840!	50/.50Poz	150	10%.Salt/3%Ge:		
	• • •	• • • • • • • • • • • • • • • • • • • •								
<u></u>						1	<u> </u>			
	P	ERFORATION F	RECORD		. Acid,	Fracture, Shot,	Cement Squee d of material used			
shots per foot	pecify footage of e	each interval perfo	rated		d) Depth					
3 3706'-08'										
		Oil		Gas	Water	Gas-	Oil Ratio	Gravity		
Estimated Productio Per 24 Hours	on 🌓		Bbls	MCF		Bbls	СЕРВ			
				ETHOD OF	COMPLETION		PRODUCTION INTERVAL			
Disposition of gas: vented				open hole	□ perforation					
□ sold				□other (specify)				***************************************		
used on lease				☑Dually Co ☐Comming	-					