## STY TOF KANSAS - CORPORATION CO MISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST 15-119-20158-00-0

TYPE TO	TEST: Deliverability			Open Fina			TEST DATE: 5-			-15-86				
COMPANY Zinke & Trumbo, Ltd.					. L	Fincha	<del></del>				WELL NO.			
COUNTY LOCATION: Meade 2322 FWL				330	FSL		BUCTION 31		TWP AN 34S		26W.			
FIELD		·		RESERVOL						E CONNI	tural Gas			
Finc			Brien Ba	irby	P	Orrow	ck	1\	ιΟΣ LI1	em Na	PACKER SI			
6-22		,v. 1 =	•			TOTAL DE	PTH 62	43	•.			4		
CARING S	EIZ E		-	WX.	-	LD,	BET 62			PE	RF. 5884	<b>TO</b> 59	12	
			10.5		LD.	<del></del>	6297		PP	RT.		TO		
2 3/	• - •			4.7	••									
		TION	(Describe)		_		TYPE FLU	onder					•	
Sinc		IRU	٠.	<u>.</u>			ESERVOIR 7					BAR. PRES	3 - Pa	
Tubi					151°							14.4 Paia		
DAS GRA		- a <sub>z</sub>		•	% CARBON DIOXODE							RAVITY OF	RAVITY OF LIQUID	
.728 Vertica		THE	K)	<del> </del>	.15		MATER CO	in.	3.5		ANET1	R RUN) (PR	OVER) SIZE	
. 5898 		(	··,				lange					2		
		URE	BHUT IN	5-12		19	86 AT 12:	00 <sub>(AM</sub>	XEE T	'AKEN -		36 AT 12:	CESS(MA) 00	
LOW TE	ST: ST	ART	ED	5-8		19	86 <sub>AT</sub> 12:	00 (AI		'AKRN	<u>-12</u>	36 AT 12:	OO (ANXEED)	
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אוידיוא	ORIFI	CR	(METER) (PROVER)	DIFF.	PLOW	INO HEAD	CASEND THE	THEYD	PRES TIENO		ELLHEAD PRESE	1	T TOUTD	
OR FLOW	SIZE in.	. ;	PRESSURE Paig	(p <sup>-th-</sup> )(p <sup>27</sup> )	TEM		paig		PiXPc	bert	(P <sub>w</sub> )(P <sub>t</sub> XP <sub>o</sub>		LIQUID PROD, Bbis.	
אנ-זטאנ	•	- }	<u> </u>		i		1530			<b>21535</b>		72	<b>)</b>	
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· <u>·</u>		1				RATE OF	FLOW CAL	CULA.	TIONS	<u> </u>				
COEPFICIENT (Fb) (Fb). Held		(METER) (PROVER) PRESSURE		EXTENSION V Pmxh		GRAVITY FACTOR Fg.	LT CALEGO	PLOWED TENER.		ATION TOR	RATE OF FLOT R World	ROD	a <sub>rs</sub>	
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8.329		5	00.4	176.14		1.172	.172 .9723		1.055		1764	58	.6919	
				(01)	en fl	OW) (DELI	IVERABILI7	ry) C	VLCUI	LATIONS	•			
<u>23</u> 1 <u>. در</u>	<u>85.2</u>		د روي د	_ 1796.	<u>7,</u>	Pd= 8	6.7 ,	(Pc -	14.4) +	14.4 = .	1544.4	(P <sub>d</sub> ) <sup>2</sup> =0.2 (P <sub>d</sub> ) <sup>2</sup> =	07	
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_d)^2$		$(P_{e})^{2} - (P_{w})^{2}$		$ \begin{bmatrix} P_c^2 - P_a^2 \\ P_c^2 - P_d^2 \end{bmatrix} $		LOG [	] .	*a*		200	ANTILOG	OPE DELIVE E(	OPEN FLOW DELIVERABILITY EQUALS R = ANTILOG	
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OPEN FLOW 6242 Mcfd				14.65	paia		DELIVERABIL			Υ	Mcfd o 1	Mcfd o 14.65 pain		
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EXHIBIT E

Up I File

## CROWN CONSULTING, INC.

For Drilling & Completion Reports, Workover Jobs and Additional Information on Well

Company: Zinke & Trumbo, LTD Well: /FINCHAM #2-31/ County: Meade Co., KS

Date	Time	Detail Work Done
10/30/84		SICP 1100# - SITP 1700# - Moved Patrick Well Service, rig #19, to location and rigged up - Hooked up flowline - Blew well down - Released packer to kill well - Pulled wellhead - Installed Acme BOP - Well started flowing - Flowed 4 hrs - Last hr, put on 3/4" choke - CP 100# - FTP 100# - Estimated 960 mcf - Shut well in for night - TC \$1700
10/31/84		SICP 1400# - SITP 1650# - Rigged up Western Company - Killed well with 88 barrels 2% KCL water - Pulled tubing and packer - Rigged up Western Company - Treated well using 20,000 gallons Polaris-40 gelled water and 35,000# 20/40 sand - Pumped as follows: 6000 gallons pad pumped at 23 BPM at 1250# - 3500 gallons with 1 ppg sand pumped at 23 BPM at 1200# - 3500 gallons with 2 ppg sand pumped at 23 BPM at 1250# - 3500 gallons with 3 ppg sand pumped at 23 BPM at 1300# - 3500 gallons with 4 ppg sand pumped at 23 BPM at 1350# - 4000 gallons 2% KCL water flush pumped at 23 BPM at 1650# - ISDP 900# - In 15 minutes, 500# - Have 571 barrels load to recover - Average 23 BPM at maximum pressure 1650#, minimum pressure 700#, average pressure 1300# - Shut well in - In 2 hrs SICP 0# - Ran 1-25/32" seating nipple and 178 joints 2-3/8" tubing - Pulled BOP - Installed wellhead - Have seating nipple at 5839' - Shut well in for night - DC \$11,180 - TC \$12,880
11/1/84		SICP vacuum - SITP light blow - Rigged up to swab test - Beginning FL 1200' - Swabbed 27 BF - Well kicked off and started flowing - Installed 1/2" positive choke - At 11:00 am, FIP 320# - CP 0# - Bringing back heavy mist of fluid - At 3:00 pm, FIP 675# - CP 350# - Heavy mist of fluid - Small trace of sand - At 5:00 pm, FIP 650# - CP 450#- Shut well in to change choke nipple from 1/2" to 3/8" - In 5 minutes, SITP 1300# - Opened well back up - Left flowing to pit overnight - At 6:00 pm, FIP 1125# - CP 825# - Recovered approximately 175 BW - DC \$1586 - TC \$14,466
11/2/84		SITP 1500# - SICP 1500#
11/3/84		SITP 1625# - SICP 1625# - At 3:00 pm, (SITP 1650#) - SICP 1650#

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