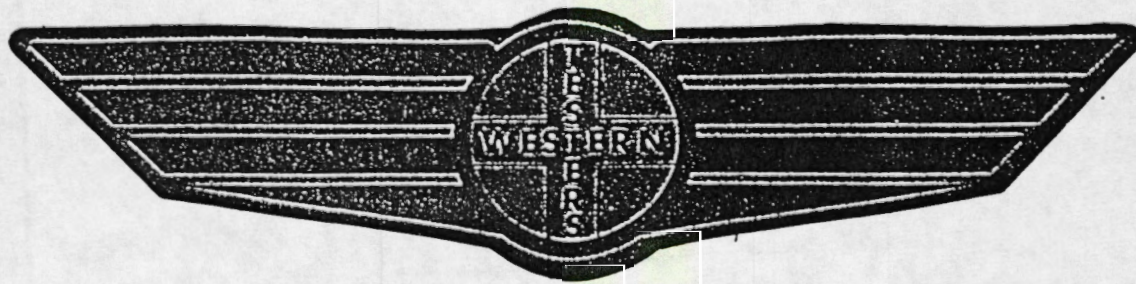


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

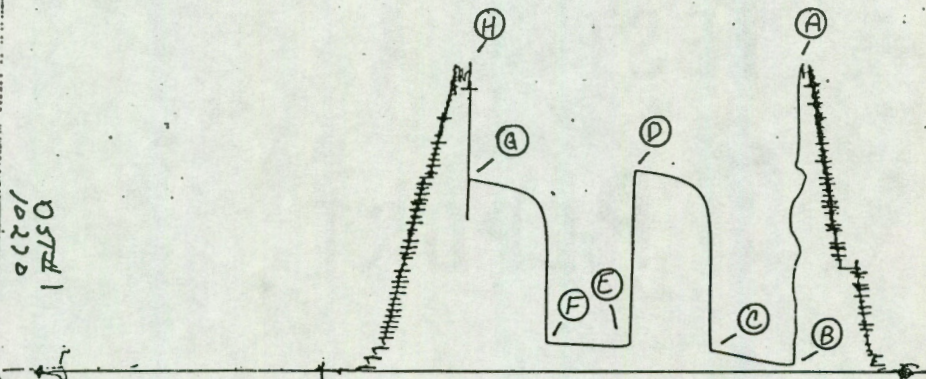
P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY PAN WESTERN PETROLEUM, INC. LEASE & WELL NO. DRAW # 1 SEC. 4 TWP. 31S RGE. 6E TEST NO. 1 DATE 8/18/91

TKT 17347

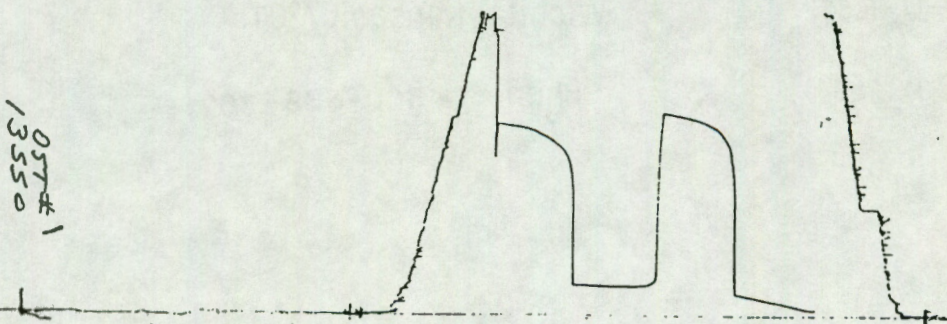
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Inside Recorder

TKT 17347

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8/18/91	TICKET	:	17347
CUSTOMER	:	PAN-WESTERN PETROLEUM INC.	LEASE	:	DRAKE
WELL	:	1	TEST:	:	1
ELEVATION	:	N/A	GEOLOGIST	:	ELSTER
SECTION	:	4	FORMATION	:	ARBUCKLE
RANGE	:	6E	COUNTY	:	COWLEY
Gauge SN#	:	10270	RANGE	:	4150
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3222	TO	:	3252	TOTAL DEPTH	:	3252
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3217	SIZE	:	6.63			
PACKER DEPTH	:	3222	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	9.3	WATER LOSS (CC)	:	14
CHLORIDES (PPM)	:	7200			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	285	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2917	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	30	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD WEAK BUILDING BLOW-
BLOW COMMENT #2	:	.5 TO 2.5 INCH BLOW.
BLOW COMMENT #3	:	FINAL FLOW PERIOD WEAK BLOW THROUGHOUT-
BLOW COMMENT #4	:	.25 TO .5 INCH BLOW.

RECOVERED	:	5	FT OF: CLEAN OIL GRAVITY 32
RECOVERED	:	60	FT OF: OIL CUT MUD
RECOVERED	:	0	FT OF: 5%OIL;3%GAS;92%MUD
RECOVERED	:	60	FT OF: SLTLY OIL CUT MUDDY WATER
RECOVERED	:	0	FT OF: 1%OIL;35%MUD;64%WTR
RECOVERED	:	60	FT OF: MUDDY WATER-10%MUD;90%WTR
RECOVERED	:	0	FT OF: W/SHOW OF OIL
RECOVERED	:	120	FT OF: MUDDY WATER-2%MUD;98%WTR
RECOVERED	:	0	FT OF: W/SHOW OF OIL

Total Barrels Fluid	=	1.62
Total Fluid Prod Rate	=	19.44 BFPD
Indicated Oil Rate	=	0.55 BOPD
Indicated Wtr Rate	=	13.74 BWPD
Corrected Oil Rate	=	19.91 BOPD
Corrected Wtr Rate	=	498.83 BWPD

REMARK 1 :
 REMARK 2 : CHLORIDES 26000 PPM
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 7:45 AM

TIME STARTED OFF BOTTOM : 11:45 AM

WELL TEMPERATURE : 125

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 60

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 63

FINAL HYDROSTATIC PRESSURE

(A) 1616

(B) 40

(D) 1085

(E) 140

(G) 1035

(H) 1593

PSI TO (C) : 115

PSI TO (F) : 157