

Computer Inventoried

2-24-16W

ORIGINAL

DST REPORT

15-047-21405

GENERAL INFORMATION

DATE	: 7-17-95	TICKET	: 21013
CUSTOMER	: OIL PRODUCERS INC. OF KS	LEASE	: KLEIN
WELL	: #4	TEST: 1	GEOLOGIST: SHEPHERD
ELEVATION	: 2064 KB	FORMATION	: LANSING "H"
SECTION	: 2	TOWNSHIP	: 24S
RANGE	: 16W	COUNTY: EDWARDS	STATE : KS
GAUGE SN#	: 1051	RANGE : 4250	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3708.00 ft	TO:	3730.00 ft	TVD:	3730.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	3722.0 ft		3725.0 ft		
TEMPERATURE:	116.0				
DRILL COLLAR LENGTH:	483.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	3205.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	22.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH		
PACKER DEPTH:	3703.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	3708.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON. :	STERLING DRILLING	VISCOSITY :	48.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.800 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	
CHLORIDES :	7000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW.
FINAL FLOW PERIOD-STRONG BLOW-GAS TO SURFACE AFTER
1 MINUTE. TO WEAK TO MEASURE.

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DEC 18 1995

CONSERVATION DIVISION
NICHOLS

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLID TOOL 10FT TO BOTTOM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	5.0	10.0	0.0	85.0	GAS & OIL CUT MUD
120.0	10.0	10.0	50.0	30.0	GAS & OIL CUT MUDDY WATER
293.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 36,000 PPM

RATE INFORMATION

OIL VOLUME: 0.1113 STB
 GAS VOLUME: 0.9184 SCF
 MUD VOLUME: 1.0657 STB
 WATER VOLUME: 1.7359 STB
 TOTAL FLUID : 2.9129 STB

TOTAL FLOW TIME: 80.0000 min.
 AVERAGE OIL RATE: 18.5310 STB/D
 AVERAGE WATER RATE: 33.9011 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1867.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	107.00	139.00
INITIAL SHUT-IN	30.00		516.00
FINAL FLOW	45.00	236.00	236.00
FINAL SHUT-IN	30.00		516.00

FINAL HYDROSTATIC PRESSURE: 1867.00

ORIGINAL

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1828.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	118.00	186.00
INITIAL SHUT-IN	27.00		494.00
FINAL FLOW	45.00	234.00	224.00
FINAL SHUT-IN	30.00		490.00

FINAL HYDROSTATIC PRESSURE: 1816.00

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CONSERVATION DIVISION
WICHITA, KS

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7-17-95	TICKET	: 21013
CUSTOMER	: OIL PRODUCERS INC. OF KS	LEASE	: KLEIN
WELL	: #4	TEST:	: 1
ELEVATION:	2064 KB	GEOLOGIST:	SHEPHERD
SECTION	: 2	FORMATION:	LANSING "H"
RANGE	: 16W	TOWNSHIP	: 24S
GAUGE SN#:	1051	STATE	: KS
	COUNTY: EDWARDS	CLOCK	: 12
	RANGE : 4250		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	118.00	118.00
5.00	118.00	0.00
10.00	118.00	0.00
15.00	118.00	0.00
20.00	118.00	0.00
25.00	124.00	6.00
30.00	145.00	21.00
35.00	186.00	41.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	339.00	339.00	0.00
6.00	402.00	63.00	0.00
9.00	437.00	35.00	0.00
12.00	454.00	17.00	0.00
15.00	465.00	11.00	0.00
18.00	475.00	10.00	0.00
21.00	484.00	9.00	0.00
24.00	489.00	5.00	0.00
27.00	494.00	5.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	234.00	234.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	228.00	-6.00
10.00	224.00	-4.00
15.00	224.00	0.00
20.00	224.00	0.00
25.00	224.00	0.00
30.00	224.00	0.00
35.00	224.00	0.00
40.00	224.00	0.00
45.00	224.00	0.00

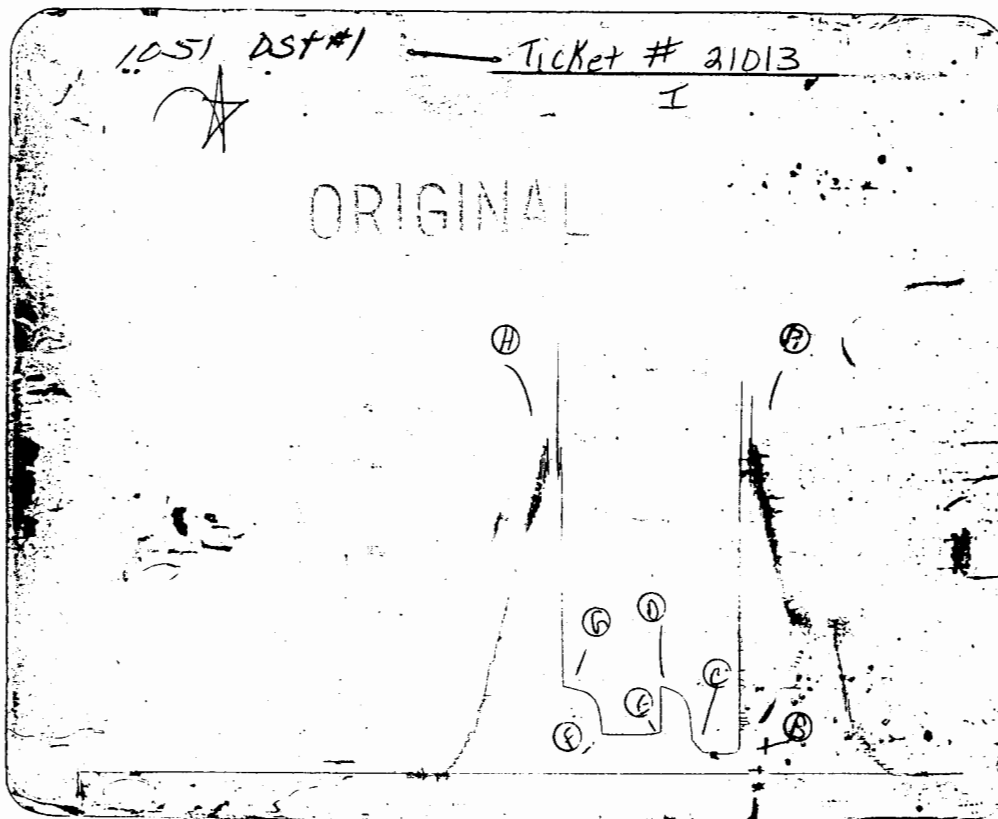
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	344.00	344.00	0.00
6.00	409.00	65.00	0.00
9.00	437.00	28.00	0.00
12.00	451.00	14.00	0.00
15.00	463.00	12.00	0.00
18.00	468.00	5.00	0.00
21.00	473.00	5.00	0.00
24.00	478.00	5.00	0.00
27.00	484.00	6.00	0.00
30.00	490.00	6.00	0.00

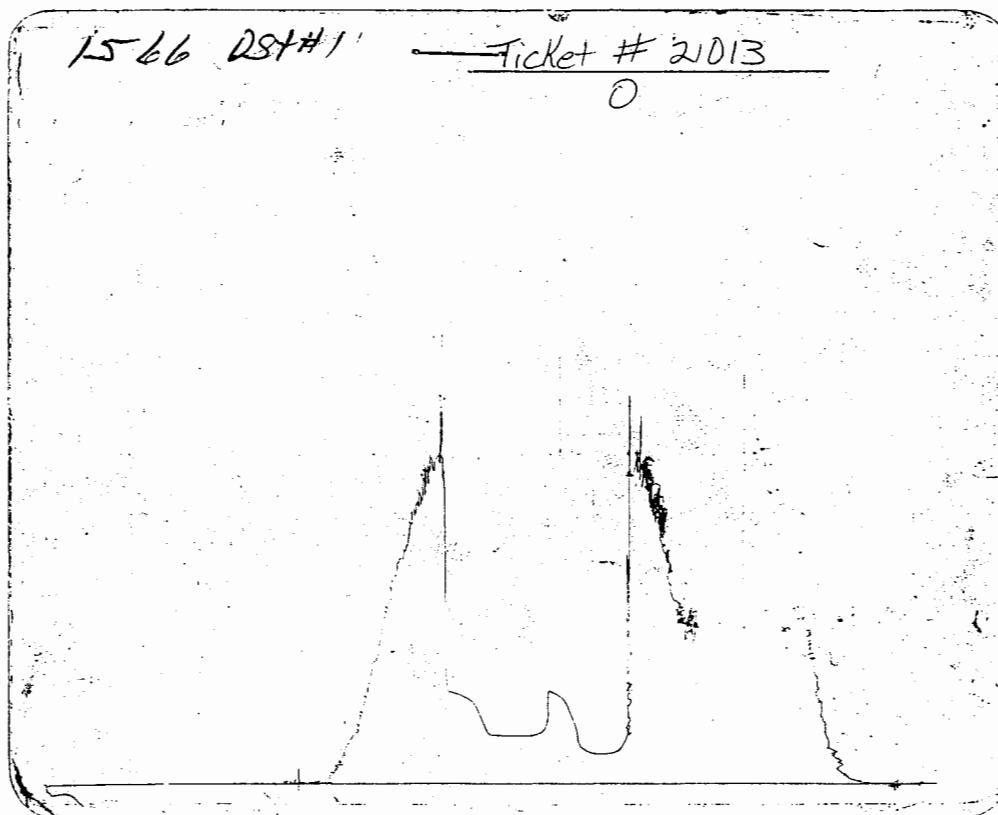
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OBSERVATION DIVISION
WICHITA, KS



Inside Recorder



Outside Recorder

ORIGINAL

2-24-16W

Sterling Drilling Company, Rig #4

Box 1006, Pratt, Kansas 67124-1006

Office Phone (316) 672-9508, Fax 672-9509

15-047-21405

SAMPLE LOG

Klein No. 4

LOCATION: 100' West & 100' North of C Se Ne Se**Section** 2 T 24S R 16W

Edwards County, Kansas

OWNER: Oil Producers, Inc. of Kansas**COMMENCED:** 13-Jul-95**CONTRACTOR:** Sterling Drilling Company, Rig #4**COMPLETED:** 19-Jul-95**TOTAL DEPTH:** DRILLER 3870 FEET**ELEVATIONS:** G.L. 2051

LOGGER 3871 FEET

K.B. 2060

LOG

0	-	160	FEET	Surface Soil and Sand
160	-	295	FEET	Shales
295	-	971	FEET	Clay and Shales
971	-	990	FEET	Anhydrite
990	-	3870	FEET	Lime and Shale
-			FEET	
-			FEET	

CASING RECORDS

Spud @ 1:00 pm on 7-13-95. Drilled 12 1/4" hole to 293'. Ran 7 jts 8-5/8" 278.65 and set @ 290' KB.

Cemented with 225 sx 60/40 Poz, 2% Gel, 3% CC. Plug down @ 7:15pm on 7-13-95 by HOWCO with good returns, Ticket # 835307.

Drilled 7-7/8" hole to 3870'. Ran 122 jts of 5 1/2" used casing. 3869' set @ 3868' KB.

Cemented 1st stage with: 50 sacks 50/50 Poz and 80 sacks EA2, Plug down @ 4am on 7-19-95.

Cemented 2nd stage with: 25 sacks 50/50 Poz and 200 sacks EA2, plug down @ 7:30 am on 7-19-95, by Halliburton ticket # 835354. Plug rathole w/15 sacks.

DEVIATION SURVEYS

1/2 DEG. @ 293 FEET

1.50 DEG. @ 3870 FEET

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CONSERVATION DIVISION
TOPEKA, KS

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