

DST REPORT

GENERAL INFORMATION

DATE : 6-18-95
CUSTOMER : KNIGHTON OIL COMPANY, INC
WELL : #1 TEST: 1
ELEVATION: 1429 GL, 1436 KB
SECTION : 35
RANGE : 7E COUNTY: MORRIS
GAUGE SN#: 10270 RANGE : 4150
TICKET : 21265
LEASE : TROWBRIDGE
GEOLOGIST: MONTAGUE
FORMATION: LANSING
TOWNSHIP : 15
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 1326.00 ft TO: 1336.00 ft TVD: 1336.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 1331.0 ft 1334.0 ft
TEMPERATURE: 103.0
DRILL COLLAR LENGTH: 360.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 946.0 ft I.D.: 2.700 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 10.0 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 : 5.5XH
PACKER DEPTH: 1321.0 ft SIZE: 6.630 in
PACKER DEPTH: 1326.0 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. : SUMMIT DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 33.00 cp
WEIGHT : 9.100 ppg WATER LOSS: 0.000 cc
CHLORIDES : 0 ppm
JARS-MAKE :
DID WELL FLOW?: YES SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW THROUGHOUT.
FINAL FLOW PERIOD-STRONG BLOW IN 2 MINUTES, GAS
SURFACED IN 28 MINUTES, TO WEAK TO GAUGE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	0.0	0.0	75.0	25.0	MUDDY WATER
420.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 48,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1947	STB	AVERAGE WATER RATE:	55.6087	STB/D
WATER VOLUME:	2.7016	STB			
TOTAL FLUID :	2.8963	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 624.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	135.00
INITIAL SHUT-IN	45.00		385.00
FINAL FLOW	45.00	187.00	239.00
FINAL SHUT-IN	90.00		385.00

FINAL HYDROSTATIC PRESSURE: 603.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 632.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	66.00	161.00
INITIAL SHUT-IN	45.00		389.00
FINAL FLOW	45.00	208.00	260.00
FINAL SHUT-IN	87.00		392.00

FINAL HYDROSTATIC PRESSURE: 620.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-18-95	TICKET : 21265
CUSTOMER : KNIGHTON OIL COMPANY, INC	LEASE : TROWBRIDGE
WELL : #1 TEST: 1	GEOLOGIST: MONTAGUE
ELEVATION: 1429 GL, 1436 KB	FORMATION: LANSING
SECTION : 35	TOWNSHIP : 15
RANGE : 7E COUNTY: MORRIS	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	66.00	66.00
5.00	78.00	12.00
10.00	101.00	23.00
15.00	120.00	19.00
20.00	134.00	14.00
25.00	149.00	15.00
30.00	161.00	12.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	314.00	314.00	0.00
6.00	337.00	23.00	0.00
9.00	354.00	17.00	0.00
12.00	362.00	8.00	0.00
15.00	370.00	8.00	0.00
18.00	375.00	5.00	0.00
21.00	379.00	4.00	0.00
24.00	380.00	1.00	0.00
27.00	380.00	0.00	0.00
30.00	383.00	3.00	0.00
33.00	386.00	3.00	0.00
36.00	387.00	1.00	0.00
39.00	388.00	1.00	0.00
42.00	389.00	1.00	0.00
45.00	389.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	208.00	208.00
5.00	203.00	-5.00
10.00	207.00	4.00
15.00	216.00	9.00
20.00	218.00	2.00
25.00	234.00	16.00
30.00	241.00	7.00
35.00	247.00	6.00
40.00	255.00	8.00
45.00	260.00	5.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	316.00	316.00	0.00
6.00	342.00	26.00	0.00
9.00	355.00	13.00	0.00
12.00	360.00	5.00	0.00
15.00	367.00	7.00	0.00
18.00	371.00	4.00	0.00
21.00	376.00	5.00	0.00
24.00	379.00	3.00	0.00
27.00	380.00	1.00	0.00
30.00	380.00	0.00	0.00
33.00	383.00	3.00	0.00
36.00	383.00	0.00	0.00
39.00	384.00	1.00	0.00
42.00	384.00	0.00	0.00
45.00	384.00	0.00	0.00
48.00	384.00	0.00	0.00
51.00	384.00	0.00	0.00
54.00	384.00	0.00	0.00
57.00	384.00	0.00	0.00
60.00	384.00	0.00	0.00
63.00	385.00	1.00	0.00
66.00	386.00	1.00	0.00
69.00	387.00	1.00	0.00
72.00	388.00	1.00	0.00
75.00	389.00	1.00	0.00
78.00	389.00	0.00	0.00
81.00	390.00	1.00	0.00
84.00	391.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

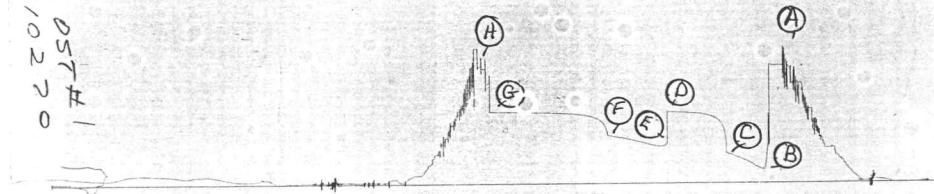
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
87.00	392.00	1.00	0.00

Ticket # 21265

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OST # 1
10270

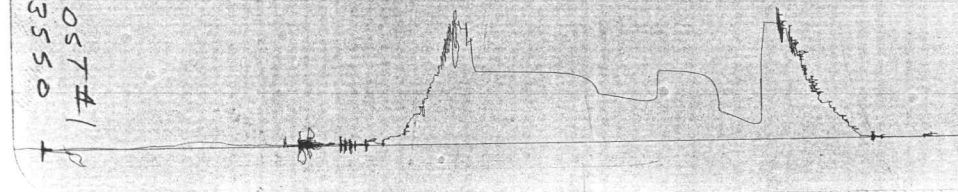


Inside Recorder

Ticket # 21265

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OST # 1
13550



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6-20-95	TICKET : 21266
CUSTOMER : KNIGHTON OIL COMPANY, INC	LEASE : TROWBRIDGE
WELL : #1	GEOLOGIST: MONTAGUE
ELEVATION: 1429 GL, 1436 KB	FORMATION: ARBUCKLE
SECTION : 35	TOWNSHIP : 15
RANGE : 7E	STATE : KS
COUNTY: MORRIS	CLOCK : 12
GAUGE SN#: 10270	RANGE : 4150

WELL INFORMATION

PERFORATION INTERVAL FROM:	1818.00 ft	TO:	1846.00 ft	TVD: 1846.0 ft	
DEPTH OF SELECTIVE ZONE:				TEST TYPE: OIL	
DEPTH OF RECORDERS:	1838.0 ft		1841.0 ft		
TEMPERATURE:	92.0				
DRILL COLLAR LENGTH:	360.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	1438.0 ft	I.D.:		2.700 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	28.0 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 :		5.5XH	
PACKER DEPTH:	1813.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	1818.0 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. : SUMMIT DRILLING	VISCOSITY : 33.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 12.800 cc
WEIGHT : 9.500 ppg	
CHLORIDES : 1800 ppm	SERIAL NUMBER:
JARS-MAKE :	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD-FAIR BLOW, DIED IN 15 MINUTES,
 STARTED AT 5 INCH BLOW. FINAL FLOW PERIOD-NO BLOW
 FLUSHED TOOL. HAD LOOSE HOSE ON SURFACE EQUIPMENT

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

-CAUSED BLOW TO DIE ON FLOW PERIODS.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
255.0	0.0	0.0	80.0	20.0	MUDDY WATER
1075.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 7,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.3611 STB	AVERAGE WATER RATE:	205.4694 STB/D
WATER VOLUME:	8.2001 STB		
TOTAL FLUID :	8.5612 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 904.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	354.00	624.00
INITIAL SHUT-IN	30.00		624.00
FINAL FLOW	30.00	624.00	645.00
FINAL SHUT-IN	30.00		645.00

FINAL HYDROSTATIC PRESSURE: 883.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 925.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	357.00	634.00
INITIAL SHUT-IN	30.00		635.00
FINAL FLOW	30.00	635.00	653.00
FINAL SHUT-IN	30.00		655.00

FINAL HYDROSTATIC PRESSURE: 881.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6-20-95	TICKET	: 21266
CUSTOMER	: KNIGHTON OIL COMPANY, INC	LEASE	: TROWBRIDGE
WELL	: #1	TEST:	2
ELEVATION:	1429 GL, 1436 KB	GEOLOGIST:	MONTAGUE
SECTION	: 35	FORMATION:	ARBUCKLE
RANGE	: 7E	COUNTY:	MORRIS
Gauge SN#:	10270	RANGE	: 4150
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	357.00	357.00
5.00	495.00	138.00
10.00	580.00	85.00
15.00	622.00	42.00
20.00	631.00	9.00
25.00	634.00	3.00
30.00	634.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	634.00	634.00	0.00
6.00	634.00	0.00	0.00
9.00	634.00	0.00	0.00
12.00	634.00	0.00	0.00
15.00	634.00	0.00	0.00
18.00	635.00	1.00	0.00
21.00	635.00	0.00	0.00
24.00	635.00	0.00	0.00
27.00	635.00	0.00	0.00
30.00	635.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	635.00	635.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	636.00	1.00
10.00	653.00	17.00
15.00	653.00	0.00
20.00	653.00	0.00
25.00	653.00	0.00
30.00	653.00	0.00

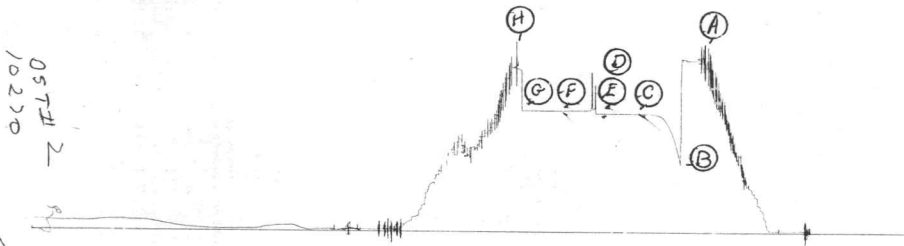
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	653.00	653.00	0.00
6.00	653.00	0.00	0.00
9.00	653.00	0.00	0.00
12.00	653.00	0.00	0.00
15.00	653.00	0.00	0.00
18.00	654.00	1.00	0.00
21.00	655.00	1.00	0.00
24.00	655.00	0.00	0.00
27.00	655.00	0.00	0.00
30.00	655.00	0.00	0.00

Ticket # 21266

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OSTA 2
10250



Inside Recorder

OSTA 2
13550

Ticket # 21266

Outside Recorder