K. T. WOODMAN
(316) 265-7650
WICHITA, KANSAS

COPY

D. J. IANNITTI
(316) 792-2921
GREAT BEND, KANSAS

WOODMAN - IANNITTI OIL COMPANY

P. O. BOX 308
1021 EISENHOWER
GREAT BEND, KANSAS 67530

COLLE #1 SEC 19-23s-10W RENO COUNTY

API#15-155-21,278

DST INFORMATION

FORMATION TEST NO. 1
3622-3675

		I.H.P.	1890#
Strong blow, GTS in 6 min.	45 min.	I.F.P.	114#-135#
	45 min.	I.S.I.P.	603#
Strong blow, GTS	45 min.	F.F.P.	166#-187#
	60 min.	F.S.I.P.	603#
		F.H.P.	1879#

GAS FLOW REPORT:

Initial Flow

Time in Minutes	P.S.I. on Orifice	Size of Orifice	Description of Flow
10	13 lbs.	1"	93,600 CFPD
20	15 lbs.	1"	101,000 CFPD
30	16 lbs.	1"	103,000 CFPD
40	17 lbs.	1"	106,000 CFPD
45	17 lbs.	1"	106,000 CFPD

Final Flow

Time in Minutes	P.S.I. on Orifice	Size of Orifice	Description of Flow
10	17 lbs.	1"	106,000 CFPD
20	17 lbs.	1"	106,000 CFPD
30	17 lbs.	1"	106,000 CFPD
40	17 lbs.	1"	106,000 CFPD
45	17 lbs.	1"	106,000 CFPD

RECOVERY: 180' gassy mud. (20% gas, 80% mud.)
180' gassy, watery mud. (10% gas, 44% water, 46% mud.)

TEMPERATURE: 113°

RECEIVED
STATE CORPORATION COMMISSION
AUG 30 1995
CONSERVATION DIVISION
Wichita, Kansas

FORMATION TEST NO. 2
3734-3776

		I.H.P.	1910#
Very weak blow	30 min.	I.F.P.	52#-52#
	30 min.	I.S.I.P.	593#
No blow	30 min.	F.F.P.	52#-52#
	30 min.	F.S.I.P.	416#
		F.H.P.	1890#

RECOVERY: 1' clean oil.
9' slightly oil cut mud.

TEMPERATURE: 113°

COPY

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(316) 265-7650
WICHITA, KANSAS

D. J. IANNITTI
(316) 792-2921
GREAT BEND, KANSAS

WOODMAN - IANNITTI OIL COMPANY
P. O. BOX 308
102' EISENHOWER
GREAT BEND, KANSAS 67530

COLLE #1 SEC 19-23s-10W RENO COUNTY

API#15-155-21,278

DST INFORMATION

FORMATION TEST NO. 3 (Straddle)
2647-2684

Packer failure, mis-run.

FORMATION TEST NO. 4 (Straddle)
2637-2684

Packer failure, mis-run.

FORMATION TEST NO. 5 (Straddle)
2592-2694

		I.H.P.	1309#
Weak blow	30 min.	I.F.P.	41#-41#
	30 min.	I.S.I.P.	531#
Weak blow	30 min.	F.F.P.	41#-41#
	30 min.	F.S.I.P.	447#
		F.H.P.	1215#

RECOVERY: 35' mud.

TEMPERATURE: 90°

RECEIVED
STATE CORPORATION COMMISSION
AUG 30 1993
CONSERVATION DIVISION
Wichita, Kansas

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Nº 19159

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1789' GL Formation Viola Eff. Pay — Ft.

District GT. Bend Date 8-15-93 Customer Order No. —

COMPANY NAME Woodman-Tannitti Oil Company

ADDRESS P.O. Box 308 Great Bend, Ks. 67530

LEASE AND WELL NO. Colle #1 COUNTY Reno STATE Ks Sec. 19 Twp. 23 Rge. 10 W

Mail Invoice To Same Co. Name #1 Colle Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3622 ft. to 3675 ft. Total Depth 3675 ft.

Packer Depth 3617 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3622 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3667 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3670 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor White + Ellis rig 8

Mud Type Chemical Viscosity 46

Weight 9.3 Water Loss 10 cc.

Chlorides 6,000 P.P.M.

Jars: Make — Serial Number —

Did Well Flow? GAS Reversed Out —

Drill Collar Length — I. D. — in.

Weight Pipe Length — I. D. — in.

Drill Pipe Length 3602 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 1/2 in.

Anchor Length 53 ft. Size 5 1/2 in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IF - STRONG Blow GAS TO SURFACE IN 6 min
FF - GAS TO SURFACE

Recovered 180 ft. of GASSY Mud 20% GAS 80% mud

Recovered 180 ft. of GASSY WATERY mud 10% GAS 44% WATER 46% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

AUG 16 1993

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 5:30 A.M. P.M. Time Pick Up Tool 7:30 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 9:00 A.M. P.M. Time Started Off Bottom 12:15 A.M. P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure		(A)	1890	P.S.I.	
Initial Flow Period	Minutes 45	(B)	114	P.S.I. to (C)	135 P.S.I.
Initial Closed In Period	Minutes 45	(D)	603	P.S.I.	
Final Flow Period	Minutes 45	(E)	166	P.S.I. to (F)	187 P.S.I.
Final Closed In Period	Minutes 60	(G)	603	P.S.I.	
Final Hydrostatic Pressure		(H)	1879	P.S.I.	

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Todd E. Morgenstern
Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank you

FIELD INVOICE

Open Hole Test	$ 4
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 4

Phone 316 262-5861

WESTERN TESTERS

P. O. Box 1599

WICHITA, KANSAS 67201

No. 4269

GAS FLOW REPORT

Date 8-15-93 Ticket 19159 Company Woodman-Iannitti O. & Co.

Well Name and No. Colle #1 Dst No. 1 Interval Tested 3622-3675

County Reno State Ks Sec. 19 Twp. 23S Rg. 10W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
					GAS TO SURFACE 6 MIN
					PRE FLOW
	H_2O Gauge				
10	13	1"			93,600 CFPD
20	15	1"			101,000 "
30	16	1"			103,000 "
40	17	1"			106,000 "
45	17	1"			106,000 "
					SECOND FLOW
10	17	1"			106,000 CFPD
20	17	1"			106,000 "
30	17	1"			106,000 "
40	17	1"			106,000 "
45	17	1"			106,000 "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.

Pressure Data

Date 8-15-92 Test Ticket No. 19159

Recorder No. 10270 Capacity Location Ft.

Clock No. Elevation Well Temperature °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1902	P.S.I.	Open Tool M	
B	First Initial Flow Pressure	125	P.S.I.	First Flow Pressure Mins. 45	Mins.
C	First Final Flow Pressure	143	P.S.I.	Initial Closed-in Pressure Mins. 45	Mins.
D	Initial Closed-in Pressure	599	P.S.I.	Second Flow Pressure Mins. 45	Mins.
E	Second Initial Flow Pressure	157	P.S.I.	Final Closed-in Pressure Mins. 60	Mins.
F	Second Final Flow Pressure	187	P.S.I.		
G	Final Closed-in Pressure	600	P.S.I.		
H	Final Hydrostatic Mud	1846	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.		Press.
P 1	0	125
P 2	5	5
P 3	10	125
P 4	15	127
P 5	20	129
P 6	25	131
P 7	30	134
P 8	35	137
P 9	40	140
P10	45	143
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In
Breakdown: Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	143
3	441
6	529
9	552
12	561
15	572
18	579
21	582
24	585
27	589
30	592
33	595
36	596
39	597
42	598
45	599
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: Inc.
of 5 mins. and a
final inc. of 0 Min.

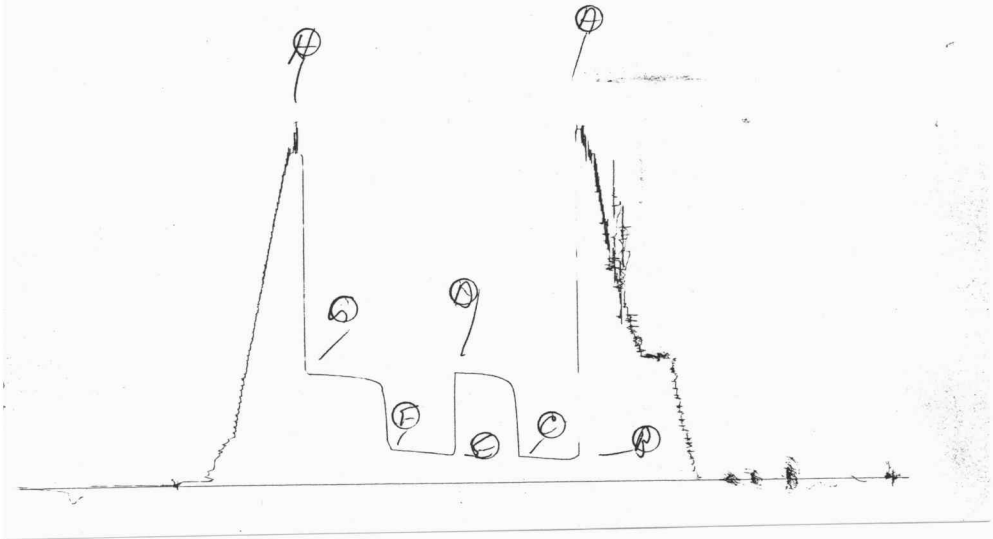
Point Minutes	Press.
0	157
5	157
10	163
15	169
20	173
25	175
30	178
35	181
40	184
45	187
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

Final Shut-In
Breakdown: Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	187
3	251
6	476
9	547
12	556
15	564
18	571
21	575
24	578
27	581
30	582
33	585
36	589
39	591
42	592
45	593
48	594
51	595
54	596
57	598
60	600

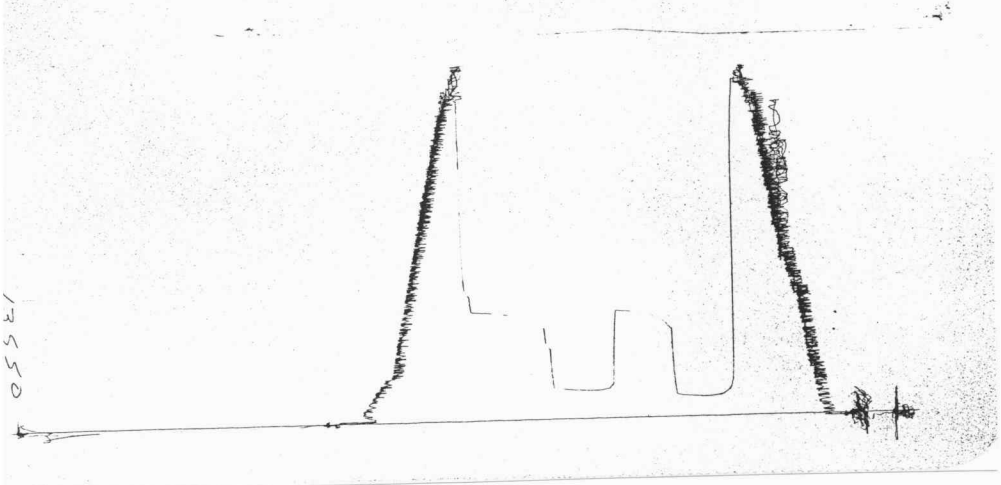
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KT 19159

O



12550

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone **1-800-688-7021**

COMPANY WOODMAN-IANNITTI OIL CO LEASE & WELL NO. #1 COLLE SEC. 19 TWP. 23S RGE. 10W TEST NO. 1 DATE 8/15/93

DST REPORT

GENERAL INFORMATION

DATE	: 8/15/93	TICKET	: 19159
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 1	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: VIOLA
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3622.00 ft TO: 3675.00 ft TVD: 3675.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 3667.0 ft 3670.0 ft
TEMPERATURE: 113.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3602.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	53.0 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:	3617.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3622.0 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.	: WHITE & ELLIS RIG 8		
MUD TYPE	: CHEMICAL	VISCOSITY :	46.00 cp
WEIGHT	: 9.300 ppg	WATER LOSS:	10.000 cc
CHLORIDES	: 6000 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE
IN 6 MINUTES. FINAL FLOW PERIOD GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	20.0	0.0	80.0	GASSY MUD
180.0	0.0	10.0	44.0	46.0	GASSY WATERY MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	4.2529 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	3.1812 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	1.1109 STB	AVERAGE WATER RATE:	36.3563 STB/D
TOTAL FLUID :	4.2921 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1890.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	114.00	135.00
INITIAL SHUT-IN	45.00		603.00
FINAL FLOW	45.00	166.00	187.00
FINAL SHUT-IN	60.00		603.00

FINAL HYDROSTATIC PRESSURE: 1879.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1902.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	125.00	143.00
INITIAL SHUT-IN	45.00		599.00
FINAL FLOW	45.00	157.00	187.00
FINAL SHUT-IN	60.00		600.00

FINAL HYDROSTATIC PRESSURE: 1846.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 8/15/93	TICKET	: 19159
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 1	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: VIOLA
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	1.000	13" WATER	93600 SCF/D
20 MIN	MERLA	1.000	15" WATER	101000 SCF/D
30 MIN	MERLA	1.000	16" WATER	103000 SCF/D
40 MIN	MERLA	1.000	17" WATER	106000 SCF/D
45 MIN	MERLA	1.000	17" WATER	106000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	1.000	17" WATER	106000 SCF/D
20 MIN	MERLA	1.000	17" WATER	106000 SCF/D
30 MIN	MERLA	1.000	17" WATER	106000 SCF/D
40 MIN	MERLA	1.000	17" WATER	106000 SCF/D
45 MIN	MERLA	1.000	17" WATER	106000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/15/93			TICKET	: 19159
CUSTOMER	: WOODMAN-IANNITTI OIL CO			LEASE	: COLLE
WELL	: #1	TEST: 1		GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL			FORMATION	: VIOLA
SECTION	: 19			TOWNSHIP	: 23S
RANGE	: 10W	COUNTY:	RENO	STATE	: KS
GAUGE SN#	: 10270	RANGE	: 4150	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	125.00	125.00
5.00	125.00	0.00
10.00	125.00	0.00
15.00	127.00	2.00
20.00	129.00	2.00
25.00	131.00	2.00
30.00	134.00	3.00
35.00	137.00	3.00
40.00	140.00	3.00
45.00	143.00	3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	441.00	441.00	0.00
6.00	529.00	88.00	0.00
9.00	552.00	23.00	0.00
12.00	562.00	10.00	0.00
15.00	572.00	10.00	0.00
18.00	579.00	7.00	0.00
21.00	582.00	3.00	0.00
24.00	585.00	3.00	0.00
27.00	589.00	4.00	0.00
30.00	596.00	7.00	0.00
33.00	595.00	-1.00	0.00
36.00	596.00	1.00	0.00
39.00	597.00	1.00	0.00
42.00	598.00	1.00	0.00
45.00	599.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	157.00	157.00
5.00	157.00	0.00
10.00	163.00	6.00
15.00	169.00	6.00
20.00	172.00	3.00
25.00	175.00	3.00
30.00	178.00	3.00
35.00	181.00	3.00
40.00	184.00	3.00
45.00	187.00	3.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	231.00	231.00	0.00
6.00	476.00	245.00	0.00
9.00	547.00	71.00	0.00
12.00	556.00	9.00	0.00
15.00	564.00	8.00	0.00
18.00	571.00	7.00	0.00
21.00	575.00	4.00	0.00
24.00	578.00	3.00	0.00
27.00	581.00	3.00	0.00
30.00	583.00	2.00	0.00
33.00	585.00	2.00	0.00
36.00	589.00	4.00	0.00
39.00	591.00	2.00	0.00
42.00	592.00	1.00	0.00
45.00	593.00	1.00	0.00
48.00	594.00	1.00	0.00
51.00	595.00	1.00	0.00
54.00	596.00	1.00	0.00
57.00	598.00	2.00	0.00
60.00	600.00	2.00	0.00

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Nº 19160

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1789 GL Formation Simpson Sd Eff. Pay — Ft.

District GT. Bend Date 8-16-93 Customer Order No. —

COMPANY NAME Woodman-Tannitti Oil Company

ADDRESS P.O. Box 308 Great Bend, Ks. 67530

LEASE AND WELL NO. Colle #1 COUNTY Reno STATE Ks Sec. 19 Twp. 23S Rge. 10W

Mail Invoice To Same (Co. Name) Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 3734 ft. to 3776 ft. Total Depth 3776 ft.

Packer Depth 3729 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3734 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3737 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3740 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor White & Ellis Rig 8 Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 53 Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss N/A cc. Drill Pipe Length 3714 I. D. 3.8 in.

Chlorides 6500 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make — Serial Number — Anchor Length 42 ft. Size 5½ in.

Did Well Flow? — Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: IF - Very Weak Blow Throughout Surface Blow
FF - No Blow

Recovered 1 ft. of Clean Oil

Recovered 9 ft. of Slightly Oil cut mud 1% oil 99% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides — P.P.M. Sample Jars used — Remarks:

Time On Location 1:45 A.M./P.M. Time Pick Up Tool 2:30 A.M./P.M. Time Off Location A.M./P.M.

Time Set Packer(s) 4:00 A.M./P.M. Time Started Off Bottom 6:00 A.M./P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure		(A)	1910	P.S.I.	
Initial Flow Period	Minutes 30	(B)	52	P.S.I. to (C)	52 P.S.I.
Initial Closed In Period	Minutes 30	(D)	593	P.S.I.	
Final Flow Period	Minutes 30	(E)	52	P.S.I. to (F)	52 P.S.I.
Final Closed In Period	Minutes 30	(G)	416	P.S.I.	
Final Hydrostatic Pressure		(H)	1890	P.S.I.	

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Todd E. Morgenstern
Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank you

FIELD INVOICE

Open Hole Test	$
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$

WESTERN TESTING CO., INC.
Pressure Data

Date 8-16-92 Test Ticket No. 19160

Recorder No. 10270 Capacity Location Ft.

Clock No. Elevation Well Temperature °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1945 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	49 P.S.I.	First Flow Pressure	Mins. 30	Mins.
C	First Final Flow Pressure	49 P.S.I.	Initial Closed-in Pressure	Mins. 30	Mins.
D	Initial Closed-in Pressure	582 P.S.I.	Second Flow Pressure	Mins. 30	Mins.
E	Second Initial Flow Pressure	51 P.S.I.	Final Closed-in Pressure	Mins. 30	Mins.
F	Second Final Flow Pressure	51 P.S.I.			
G	Final Closed-in Pressure	419 P.S.I.			
H	Final Hydrostatic Mud	1895 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	49
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	49
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In

Breakdown: Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	49
3	49
6	49
9	53
12	66
15	87
18	134
21	235
24	418
27	553
30	582
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure

Breakdown: Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	51
5	
10	
15	
20	
25	
30	51
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

Final Shut-In

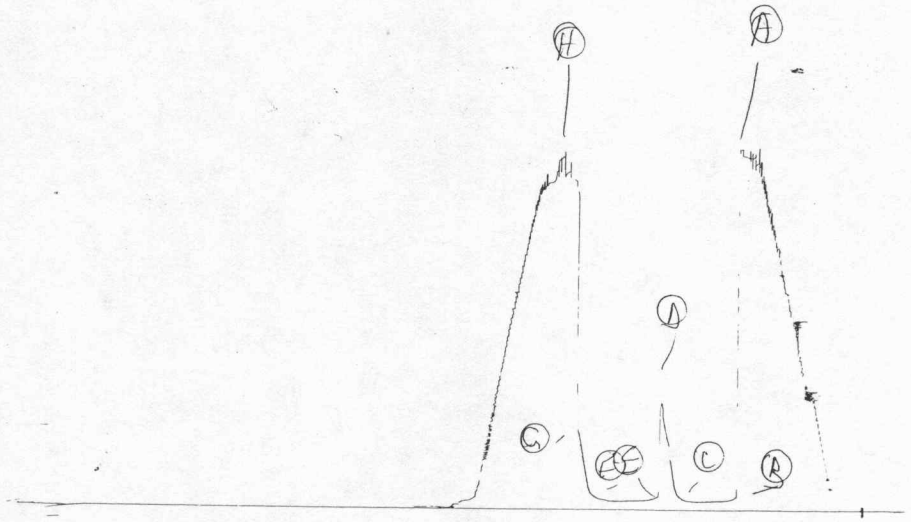
Breakdown: Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	51
3	51
6	51
9	53
12	57
15	62
18	72
21	92
24	176
27	283
30	419
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

DST 19160

1

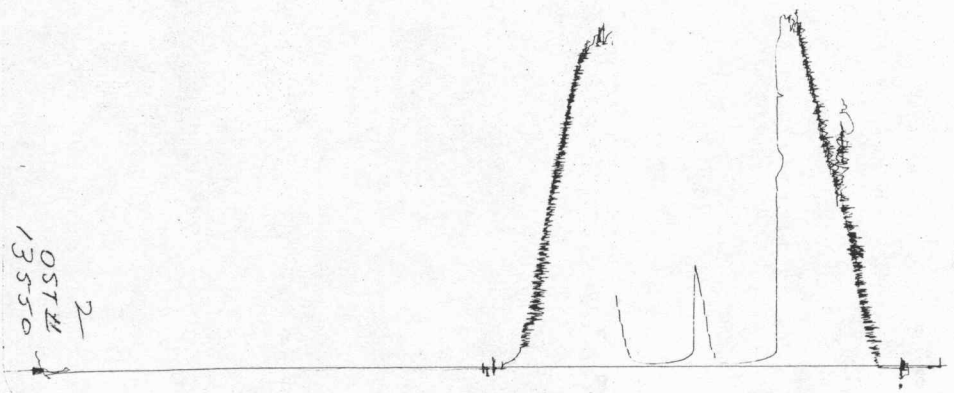
DST #2
18270



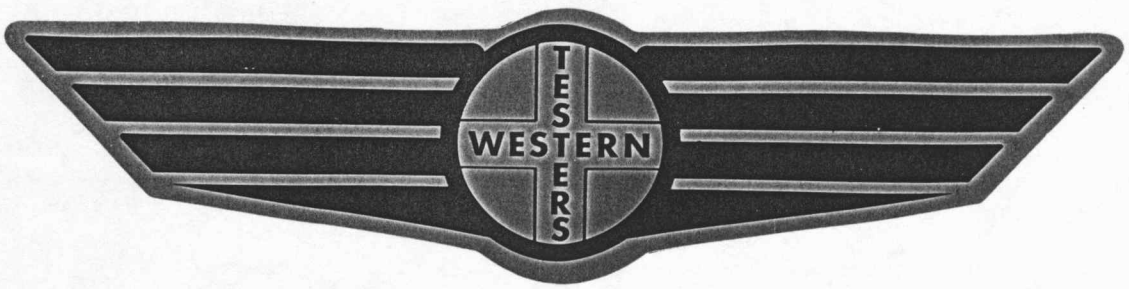
DST 19160

0

DST #2
13550



FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone **1-800-688-7021**

COMPANY WOODMAN-IANNITTI OIL CO LEASE & WELL NO. #1 COLLE SEC. 19 TWP. 23S RGE. 10W TEST NO. 2 DATE 8/10/93

DST REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19160
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 2	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: SIMPSON SAND
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3734.00 ft TO: 3776.00 ft TVD: 3776.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3737.0 ft 3740.0 ft
TEMPERATURE: 113.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3714.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	42.0 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:	3729.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3734.0 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.	: WHITE & ELLIS RIG 8		
MUD TYPE	: CHEMICAL	VISCOSITY :	53.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	0.000 cc
CHLORIDES	: 6500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?	: NO

COMMENTS

Comment

VERY WEAK BLOW SURFACE BLOW THROUGHOUT INITIAL FLOW PERIOD. NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1.0	0.0	0.0	0.0	100.0	CLEAN OIL
9.0	1.0	0.0	0.0	99.0	SLI. OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0013 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.1390 STB	AVERAGE OIL RATE:	3.0297 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.1403 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1910.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	63.00	63.00
INITIAL SHUT-IN	30.00		593.00
FINAL FLOW	30.00	52.00	52.00
FINAL SHUT-IN	30.00		416.00

FINAL HYDROSTATIC PRESSURE: 1890.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1945.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	49.00	49.00
INITIAL SHUT-IN	30.00		582.00
FINAL FLOW	30.00	51.00	51.00
FINAL SHUT-IN	30.00		419.00

FINAL HYDROSTATIC PRESSURE: 1895.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19160
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 2	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: SIMPSON SAND
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	49.00	49.00
5.00	49.00	0.00
10.00	49.00	0.00
15.00	49.00	0.00
20.00	49.00	0.00
25.00	49.00	0.00
30.00	49.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	49.00	49.00	0.00
6.00	49.00	0.00	0.00
9.00	53.00	4.00	0.00
12.00	66.00	13.00	0.00
15.00	87.00	21.00	0.00
18.00	174.00	87.00	0.00
21.00	335.00	161.00	0.00
24.00	418.00	83.00	0.00
27.00	553.00	135.00	0.00
30.00	582.00	29.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	51.00	51.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	51.00	0.00
10.00	51.00	0.00
15.00	51.00	0.00
20.00	51.00	0.00
25.00	51.00	0.00
30.00	51.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	51.00	51.00	0.00
6.00	51.00	0.00	0.00
9.00	53.00	2.00	0.00
12.00	57.00	4.00	0.00
15.00	62.00	5.00	0.00
18.00	72.00	10.00	0.00
21.00	93.00	21.00	0.00
24.00	176.00	83.00	0.00
27.00	283.00	107.00	0.00
30.00	419.00	136.00	0.00

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

№ 19161

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1789 GL Formation Howard Eff. Pay — Ft.

District GT. Bend Date 8-16-93 Customer Order No. —

COMPANY NAME Woodman-Jannitti Oil Company

ADDRESS P.O. Box 308 Great Bend, Ks 67530

LEASE AND WELL NO. Colle #1 COUNTY Reno STATE Ks Sec. 19 Twp. 23S Rge. 10W

Mail Invoice To Same No. Copies Requested Reg
Co. Name Address

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 3 Interval Tested From 2647 ft. to 2684 ft. Total Depth 3777 ft.

Packer Depth 2684 ft. Size 6 5/8 in. Packer Depth 2642 ft. Size 6 5/8 in.

Packer Depth 2647 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2650 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 2653 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth 2687 ft. Recorder Number 13401 Cap. 4000

Drilling Contractor White & Ellis, rig 8 Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 50 Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss N/A cc. Drill Pipe Length 2627 I. D. 3.8 in.

Chlorides 6500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 37 ft. Size 5 1/2 x 3 3/4 in.

Did Well Flow? — Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IF —
FF —

Recovered 240 ft. of Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of Misrun Packer failure

Chlorides — P.P.M. Sample Jars used — Remarks:

Time On Location 1:40 A.M. P.M. Time Pick Up Tool 2:15 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 3:45 A.M. P.M. Time Started Off Bottom 3:55 A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure ..... (A) P.S.I.

Initial Flow Period ..... Minutes (B) P.S.I. to (C) P.S.I.

Initial Closed In Period ..... Minutes (D) P.S.I.

Final Flow Period ..... Minutes (E) P.S.I. to (F) P.S.I.

Final Closed In Period ..... Minutes (G) P.S.I.

Final Hydrostatic Pressure ..... (H) P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Todd E. Morgenstern
Signature of Customer or his authorized representative

Western Representative Ray Schwagy Thank you

FIELD INVOICE

Open Hole Test	$ —
Misrun	✓ $ —
Straddle Test	✓ $ —
Jars	$ —
Selective Zone	$ —
Safety Joint	$ —
Standby	$ —
Evaluation	$ —
Extra Packer	✓ $ —
Circ. Sub.	$ —
Mileage	$ —
Fluid Sampler	$ —
Extra Charts	$ —
Insurance	$ —
Telecopier	$ —
TOTAL	✓ $ —

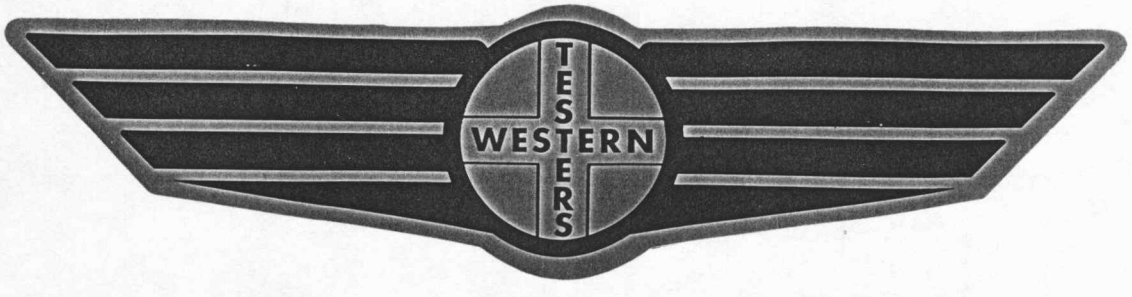
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KT 19161

Below Saddle

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone **1-800-688-7021**

COMPANY WOODMAN-IANNITTI OIL CO LEASE & WELL NO. #1 COLLE SEC. 19 TWP. 23S RGE. 10W TEST NO. 3 DATE 8/16/93

DST REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19161
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 3	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: HOWARD
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2647.00 ft TO: 2684.00 ft TVD: 3777.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2650.0 ft 2653.0 ft
TEMPERATURE: 0.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2627.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	37.0 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:	2684.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2647.0 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.	: WHITE & ELLIS RIG 8		
MUD TYPE	: CHEMICAL	VISCOSITY :	50.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	0.000 cc
CHLORIDES	: 6500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

NO PRESSURES MISRUN

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
					No Data Entered

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 0.0000 STB
WATER VOLUME: 0.0000 STB
TOTAL FLUID : 0.0000 STB

TOTAL FLOW TIME: No Events Created
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Nº 19162

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1789 GL Formation Howard Eff. Pay — Ft.

District GT. Bend Date 8-16-93 Customer Order No. —

COMPANY NAME Woodman-Tarritt Oil Company

ADDRESS P.O. Box 308 Great Bend, Ks 67530

LEASE AND WELL NO. Colle #1 COUNTY Reno STATE Ks Sec. 19 Twp. 23 S Rge. 10 W

Mail Invoice To Same (Co. Name) Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 4 Interval Tested From 2637 ft. to 2684 ft. Total Depth 3777 ft.

Packer Depth 2632 ft. Size 6 3/8 in. Packer Depth 2684 ft. Size 6 3/8 in.

Packer Depth 2637 ft. Size 6 3/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2671 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 2674 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth 2687 ft. Recorder Number 13401 Cap. 4000

Drilling Contractor White & Ellis Rig 8

Mud Type Chemical Viscosity 50

Weight 9.2 Water Loss N/A cc.

Chlorides 6,500 P.P.M.

Jars: Make — Serial Number —

Did Well Flow? — Reversed Out —

Drill Collar Length — I. D. — in.

Weight Pipe Length — I. D. — in.

Drill Pipe Length 2612 I. D. 3.8 in.

Test Tool Length 25 ft. Tool Size 5½ in.

Anchor Length 47 ft. Size 5½ in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: IF - FF

Recovered 150 ft. of Mud

Recovered ft. of

Recovered ft. of Misrun Packer Failure

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 1:40 A.M. / (P.M.) Time Pick Up Tool 5:15 A.M. / (P.M.) Time Off Location A.M. / P.M.

Time Set Packer(s) A.M. / (P.M.) Time Started Off Bottom A.M. / (P.M.) Maximum Temperature

Initial Hydrostatic Pressure		(A)	P.S.I.		
Initial Flow Period	Minutes	(B)	P.S.I. to (C)	P.S.I.	
Initial Closed In Period	Minutes	(D)	P.S.I.		
Final Flow Period	Minutes	(E)	P.S.I. to (F)	P.S.I.	
Final Closed In Period	Minutes	(G)	P.S.I.		
Final Hydrostatic Pressure		(H)	P.S.I.		

Pressured

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Todd E. Morgenstern
Signature of Customer or his authorized representative

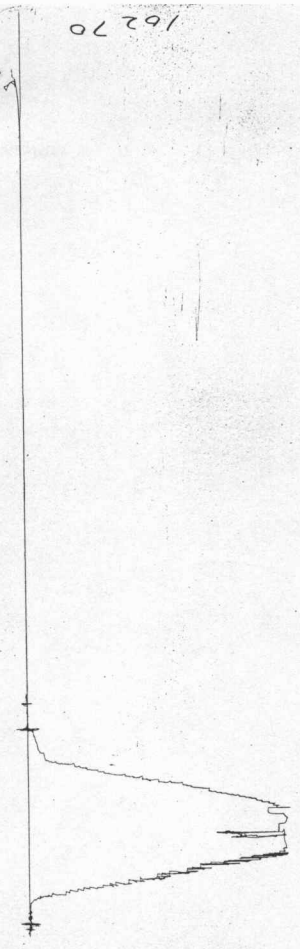
Western Representative Ray Schwager Mark 404

FIELD INVOICE

Open Hole Test	$
Misrun	$ ✓
Straddle Test	$ ✓
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$ ✓
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ ✓

K+ 1916

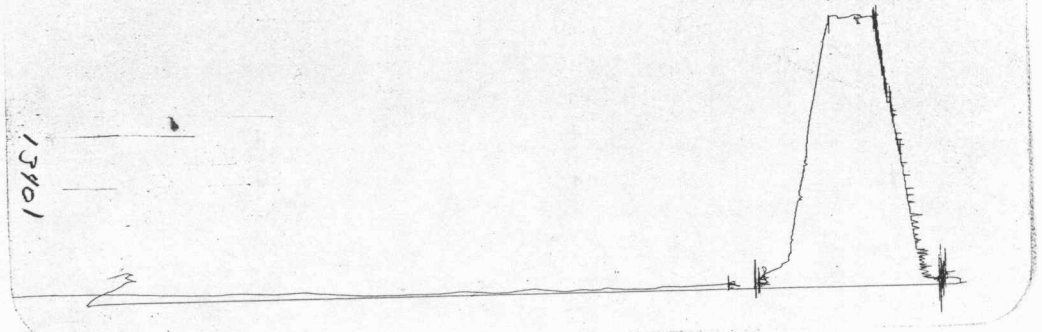




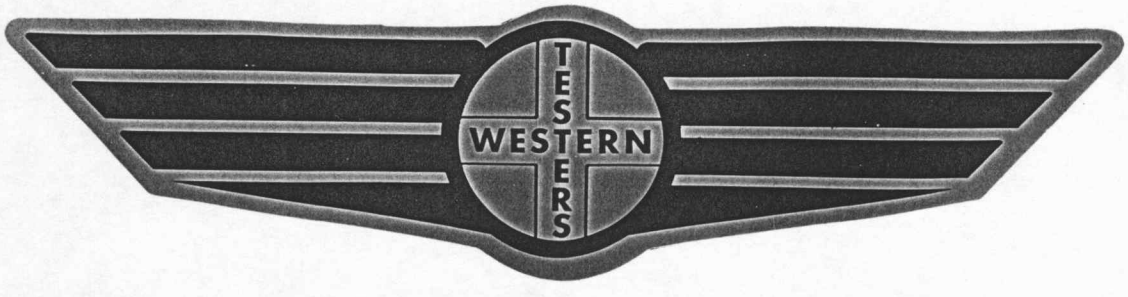
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K+ 1916

Below Straddle



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone **1 - 800-688- 7021**

COMPANY WOODMAN-IANNITTI OIL CO LEASE & WELL NO. #1 COLLE SEC. 19 TWP. 23S RGE. 10W TEST NO. 4 DATE 8/16/93

DST REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19162
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 4	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: HOWARD
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2637.00 ft TO: 2684.00 ft TVD: 3777.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2671.0 ft 2674.0 ft
TEMPERATURE: 0.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2612.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	47.0 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:	2632.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2637.0 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.	: WHITE & ELLIS RIG 8		
MUD TYPE	: CHEMICAL	VISCOSITY :	50.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	0.000 cc
CHLORIDES	: 6500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

MISRUN, PACKER FAILURE

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
150.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB
GAS VOLUME: 0.0000 SCF
MUD VOLUME: 2.1040 STB
WATER VOLUME: 0.0000 STB
TOTAL FLUID : 2.1040 STB

TOTAL FLOW TIME: No Events Created
AVERAGE OIL RATE: 0.0000 STB/D
AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		3.00

FINAL HYDROSTATIC PRESSURE: 0.00

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Last again

No. 19164

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1789 GL Formation Howard Eff. Pay — Ft.

District GT. Bend Date 8-16-93 Customer Order No. —

COMPANY NAME Woodman-Tannitti Oil Company

ADDRESS P.O. Box 308 Great Bend, Ks 67530

LEASE AND WELL NO. Colle #1 COUNTY Reno STATE Ks Sec. 19 Twp. 23S Rge. 10W

Mail Invoice To SAME Co. Name Address No. Copies Requested Reg

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. 5 Interval Tested From 2592 ft. to 2694 ft. Total Depth 3777 ft.

Packer Depth 2587 ft. Size 6 5/8 in. Packer Depth 2694 ft. Size 6 5/8 in.

Packer Depth 2592 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2595 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 2598 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth 2697 ft. Recorder Number 13401 Cap. 4000

Drilling Contractor White + Ellis rig 8 Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 50 Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss N/A cc. Drill Pipe Length 2567 I. D. 3.8 in.

Chlorides 6500 P.P.M. Test Tool Length 25 ft. Tool Size 5½ in.

Jars: Make — Serial Number — Anchor Length 102 ft. Size 5½ in.

Did Well Flow? — Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: IF- Weak Blow Throughout 1" To 2" Blow

FF- Weak Blow Throughout 2" Blow

Recovered 3.5 ft. of Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides — P.P.M. Sample Jars used 1 Remarks:

Time On Location 1:40 A.M. / P.M. Time Pick Up Tool 10:40 A.M. / P.M. Time Off Location A.M. / P.M.

Time Set Packer(s) 11:40 A.M. / P.M. Time Started Off Bottom 1:40 A.M. / P.M. Maximum Temperature 90°

Initial Hydrostatic Pressure		(A) 1309	P.S.I.	
Initial Flow Period	Minutes 30	(B) 41	P.S.I. to (C) 41	P.S.I.
Initial Closed In Period	Minutes 30	(D) 531	P.S.I.	
Final Flow Period	Minutes 30	(E) 41	P.S.I. to (F) 41	P.S.I.
Final Closed In Period	Minutes 30	(G) 447	P.S.I.	
Final Hydrostatic Pressure		(H) 1215	P.S.I.	

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Todd E Morgenstern
Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank you

FIELD INVOICE

Open Hole Test	$
Misrun	$
Straddle Test	✓ $
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	✓ $
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	✓ $

WESTERN TESTING CO., INC.
Pressure Data

Date 8-16-93 Test Ticket No. 19164

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1535 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	Mins. 30	Mins.
C	First Final Flow Pressure	47 P.S.I.	Initial Closed-in Pressure	Mins. 30	Mins.
D	Initial Closed-in Pressure	535 P.S.I.	Second Flow Pressure	Mins. 30	Mins.
E	Second Initial Flow Pressure	48 P.S.I.	Final Closed-in Pressure	Mins. 30	Mins.
F	Second Final Flow Pressure	48 P.S.I.			
G	Final Closed-in Pressure	459 P.S.I.			
H	Final Hydrostatic Mud	1538 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	47
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	47
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In

Breakdown: _____ Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	47
3	134
6	335
9	410
12	475
15	535
18	538
21	538
24	481
27	535
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure

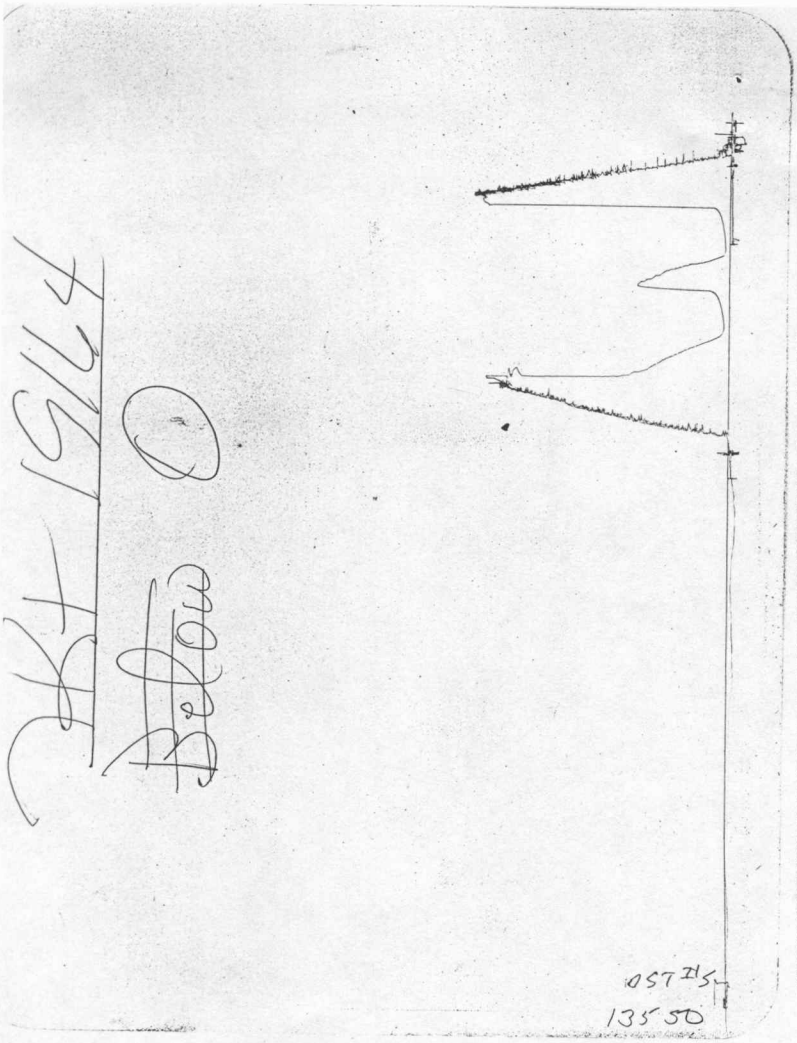
Breakdown: _____ Inc. of 5 mins. and a final inc. of 0 Min.

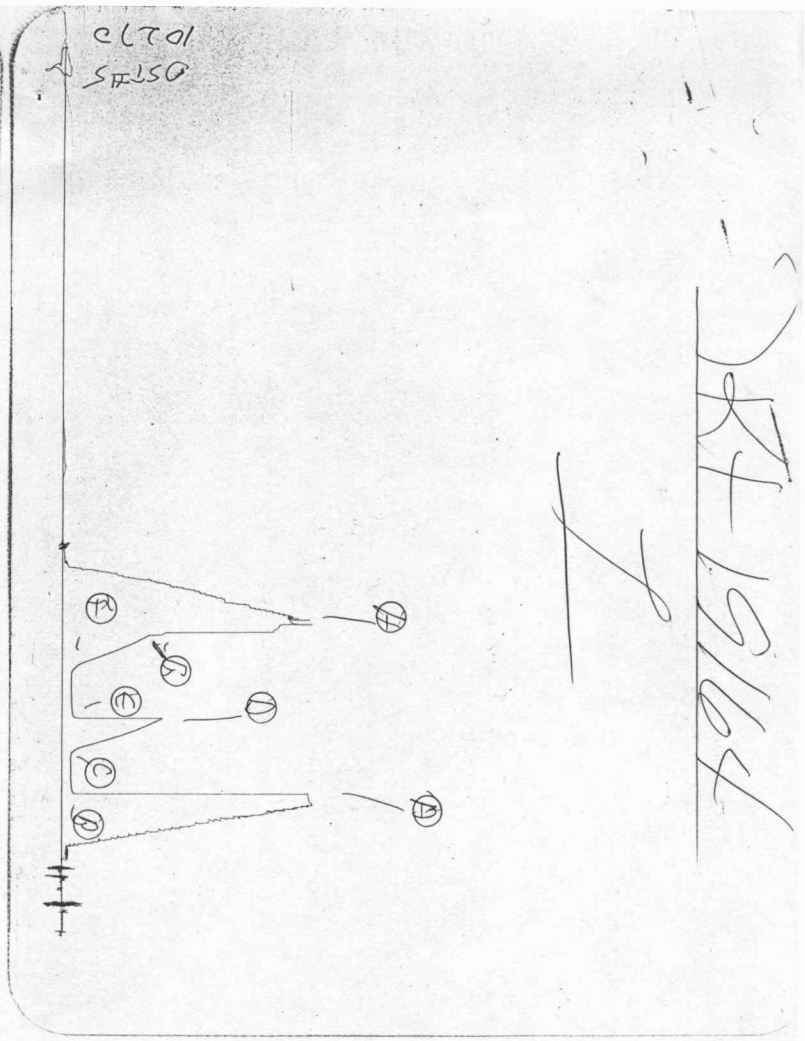
Point Minutes	Press.
0	48
5	
10	
15	
20	
25	
30	48
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

Final Shut-In

Breakdown: _____ Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	48
3	51
6	166
9	87
12	159
15	199
18	254
21	326
24	356
27	407
30	459
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

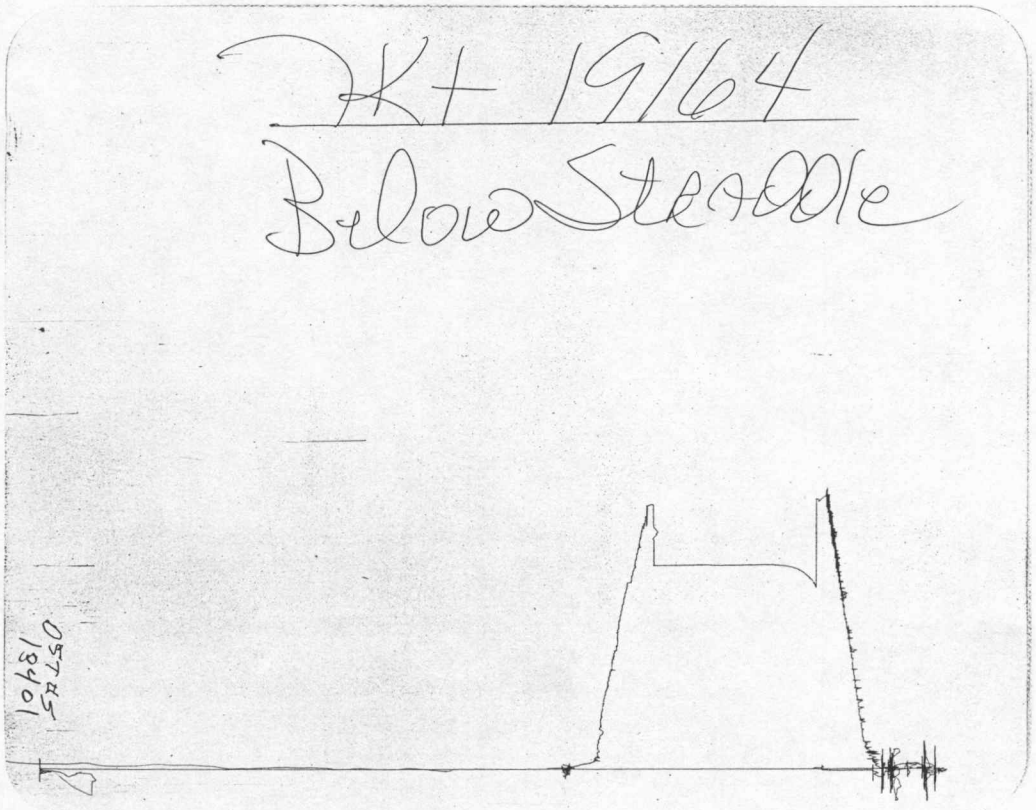




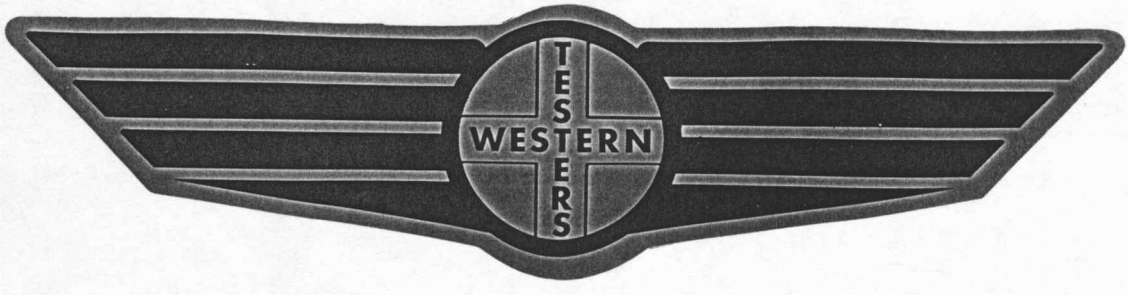
HT 19164
Below

HT 19164

HT 19164
Below Straddle



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone **1-800-688-7021**

COMPANY WOODMAN-IANNITTI OIL CO LEASE & WELL NO. #1 COLLE SEC. 19 TWP. 23S RGE. 10W TEST NO. 5 DATE 8/16/93

DST REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19164
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 5	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: HOWARD
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#:	10270 RANGE : 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2592.00 ft TO: 2694.00 ft TVD: 3777.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2595.0 ft 2598.0 ft
TEMPERATURE: 90.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2567.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	102.0 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:	2587.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2592.0 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.	: WHITE & ELLIS RIG 8		
MUD TYPE	: CHEMICAL	VISCOSITY :	50.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	0.000 cc
CHLORIDES	: 6500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

WEAK 1" TO 2" BLOW THROUGHOUT INITIAL FLOW PERIOD.
WEAK 2" BLOW THROUGHOUT FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
35.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.4909 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.4909 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1309.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	41.00	41.00
INITIAL SHUT-IN	30.00		531.00
FINAL FLOW	30.00	41.00	41.00
FINAL SHUT-IN	30.00		447.00

FINAL HYDROSTATIC PRESSURE: 1215.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1323.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	47.00	47.00
INITIAL SHUT-IN	27.00		535.00
FINAL FLOW	30.00	48.00	48.00
FINAL SHUT-IN	30.00		459.00

FINAL HYDROSTATIC PRESSURE: 1238.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/16/93	TICKET	: 19164
CUSTOMER	: WOODMAN-IANNITTI OIL CO	LEASE	: COLLE
WELL	: #1 TEST: 5	GEOLOGIST	: MORGENSTERN
ELEVATION	: 1789 GL	FORMATION	: HOWARD
SECTION	: 19	TOWNSHIP	: 23S
RANGE	: 10W COUNTY: RENO	STATE	: KS
GAUGE SN#	: 10270 RANGE : 4150	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	47.00	47.00
5.00	47.00	0.00
10.00	47.00	0.00
15.00	47.00	0.00
20.00	47.00	0.00
25.00	47.00	0.00
30.00	47.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	74.00	74.00	0.00
6.00	135.00	61.00	0.00
9.00	210.00	75.00	0.00
12.00	275.00	65.00	0.00
15.00	339.00	64.00	0.00
18.00	388.00	49.00	0.00
21.00	438.00	50.00	0.00
24.00	482.00	44.00	0.00
27.00	535.00	53.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	48.00	48.00
5.00	48.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
10.00	48.00	0.00
15.00	48.00	0.00
20.00	48.00	0.00
25.00	48.00	0.00
30.00	48.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	51.00	51.00	0.00
6.00	66.00	15.00	0.00
9.00	87.00	21.00	0.00
12.00	139.00	52.00	0.00
15.00	199.00	60.00	0.00
18.00	254.00	55.00	0.00
21.00	306.00	52.00	0.00
24.00	356.00	50.00	0.00
27.00	404.00	48.00	0.00
30.00	459.00	55.00	0.00