



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 20320

1-200
ALORCA
P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2070 K.B Formation ARBUCKLE Eff. Pay _____ Ft.

District GREAT BEND Date 6-15-94 Customer Order No. _____

COMPANY NAME WOODMAN-TANNITI OIL COMPANY

ADDRESS P.O. BOX 308 GREAT BEND KS 67530-0308

LEASE AND WELL NO. DEPKINS #7 COUNTY RAWNEK STATE KS Sec. 24 Twp. 20S Rge. 16W

Mail Invoice To SANK Co. Name _____ Address _____ No. Copies Requested R56

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 1 Interval Tested From 3787 ft. to 3794 ft. Total Depth 3794 ft.

Packer Depth 3782 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3787 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3775 ft. Recorder Number 11018 Cap. 4425 PSI

Bottom Recorder Depth (Outside) 3790 ft. Recorder Number 13629 Cap. 4425 PSI

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

Drilling Contractor EMPHASIS Drill Collar Length 0 I. D. _____ in.

Mud Type CHEMICAL Viscosity 43 Weight Pipe Length 380 I. D. 2.7 in.

Weight 9.1 Water Loss 10.4 cc. Drill Pipe Length 3787 I. D. 3.8 in.

Chlorides 3600 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.

Jars: Make NOT RAN Serial Number _____ Anchor Length 7 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: 1ST FLOW: STRONG BLOW - B.O.B IN 1 MINUTE (STRONG BLOWBACK)
2ND FLOW: STRONG BLOW - B.O.B IN 8 MINUTES (STRONG BLOWBACK)

Recovered 500 ft. of GAS IN PIPE

Recovered 980 ft. of GAS + SULFUR WATER

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 28,100 P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 8:00 A.M. Time Pick Up Tool 10:30 P.M. Time Off Location 5:40 A.M.

Time Set Packer(s) 12:00 A.M. Time Started Off Bottom 2:00 P.M. Maximum Temperature 130°

Initial Hydrostatic Pressure _____ (A) 1840 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 56 P.S.I. to (C) 245 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 914 P.S.I.

Final Flow Period _____ Minutes 30 (E) 312 P.S.I. to (F) 390 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 914 P.S.I.

Final Hydrostatic Pressure _____ (H) 1810 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 Michael E. Mergens
Signature of Customer or his authorized representative

Western Representative John Smith

FIELD INVOICE

Open Hole Test	\$ <u>✓</u>
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 6-5-94 Test Ticket No. 2220
 Recorder No. 11018 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1826</u> P.S.I.	Open Tool	_____ Mins.	_____ Mins.
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>1811</u> P.S.I.			

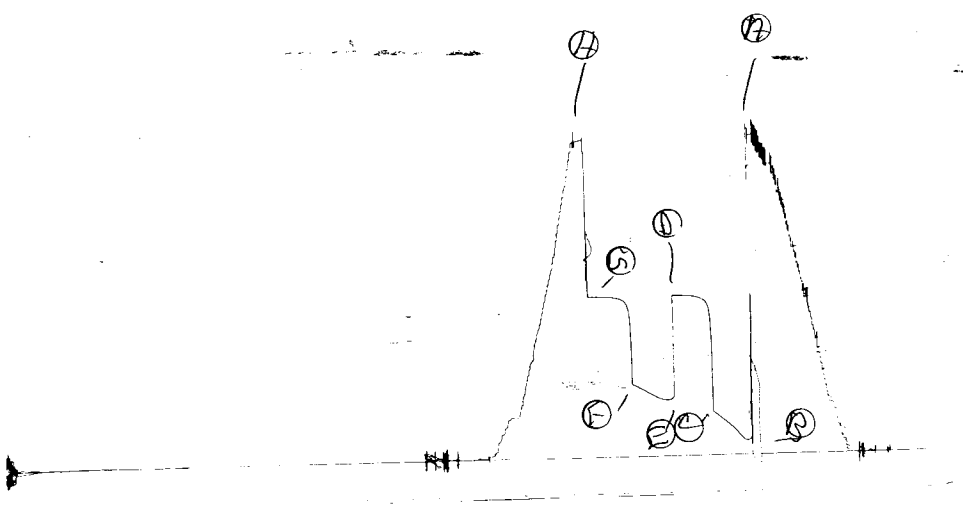
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>83</u>	0	<u>250</u>	0	<u>321</u>	0	<u>411</u>
P 2 5	<u>83</u>	3	<u>841</u>	5	<u>321</u>	3	<u>812</u>
P 3 10	<u>129</u>	6	<u>888</u>	10	<u>328</u>	6	<u>887</u>
P 4 15	<u>168</u>	9	<u>900</u>	15	<u>344</u>	9	<u>903</u>
P 5 20	<u>202</u>	12	<u>927</u>	20	<u>369</u>	12	<u>908</u>
P 6 25	<u>230</u>	15	<u>914</u>	25	<u>391</u>	15	<u>913</u>
P 7 30	<u>250</u>	18	<u>914</u>	30	<u>411</u>	18	<u>914</u>
P 8 35		21	<u>918</u>	35		21	<u>917</u>
P 9 40		24	<u>917</u>	40		24	<u>918</u>
P10 45		27	<u>919</u>	45		27	<u>918</u>
P11 50		30		50		30	<u>918</u>
P12 55		33		55		33	<u>918</u>
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

DST #1 REC # 10 10

JKT 20320

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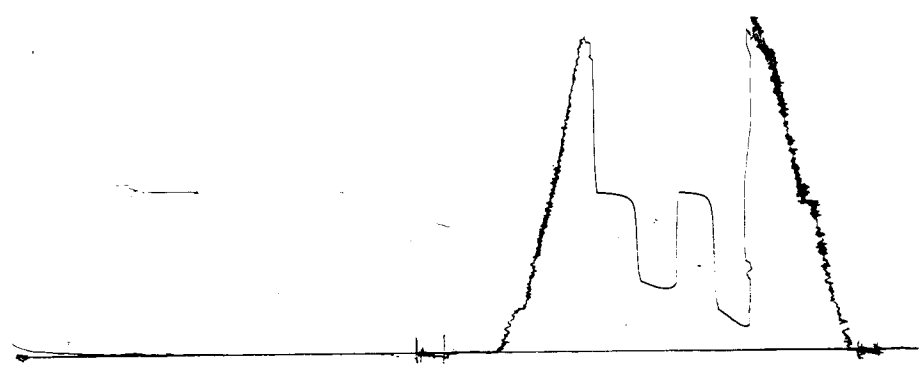


DST #1 REC # 13629

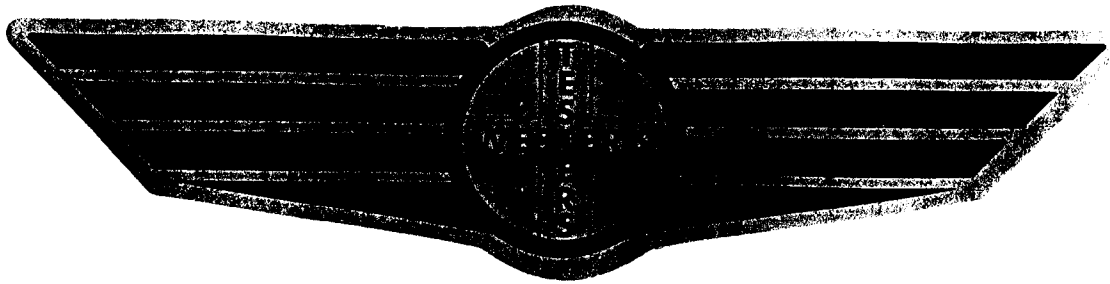
JKT 20320

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 6/15/94
CUSTOMER : WOODMAN-IANNITTI OIL
WELL : #7 TEST: 1
ELEVATION: 2070 KB
SECTION : 24
RANGE : 16W COUNTY: PAWNEE
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20320
LEASE : OETKIN
GEOLOGIST: MORGENSTEEN
FORMATION: ARBUCKLE
TOWNSHIP : 20S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3787.00 ft TO: 3794.00 ft TVD: 3794.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3775.0 ft 3790.0 ft
TEMPERATURE: 120.0

DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 380.0 ft I.D.: 2.700 in
DRILL PIPE LENGTH : 3383.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 24.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 7.0 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: 3782.0 ft SIZE: 6.630 in
PACKER DEPTH: 3787.0 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. : EMPHASIS
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 3600 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 43.00 cp
WATER LOSS: 10.400 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET
IN 1 MINUTE. FINAL FLOW PERIOD STRONG BLOW -
BOTTOM OF BUCKET IN 8 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
0.0	0.0	0.0	0.0	0.0	500 FT GAS ABOVE FLUID
980.0	0.0	0.0	100.0	0.0	GASSY SULFUR WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 28000 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:	0.0000 STB	AVERAGE WATER RATE:	266.5598 STB/D
WATER VOLUME:	11.1067 STB		
TOTAL FLUID :	11.1067 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1840.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	56.00	245.00
INITIAL SHUT-IN	30.00		914.00
FINAL FLOW	30.00	312.00	390.00
FINAL SHUT-IN	30.00		914.00

FINAL HYDROSTATIC PRESSURE: 1810.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1826.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	83.00	250.00
INITIAL SHUT-IN	30.00		919.00
FINAL FLOW	30.00	321.00	411.00
FINAL SHUT-IN	33.00		918.00

FINAL HYDROSTATIC PRESSURE: 1811.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6/15/94	TICKET : 20320
CUSTOMER : WOODMAN-IANNITTI OIL	LEASE : OETKIN
WELL : #7 TEST: 1	GEOLOGIST: MORGENSTEEN
ELEVATION: 2070 KB	FORMATION: ARBUCKLE
SECTION : 24	TOWNSHIP : 20S
RANGE : 16W COUNTY: PAWNEE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	83.00	83.00
5.00	83.00	0.00
10.00	129.00	46.00
15.00	168.00	39.00
20.00	202.00	34.00
25.00	230.00	28.00
30.00	250.00	20.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	841.00	841.00	0.00
6.00	888.00	47.00	0.00
9.00	900.00	12.00	0.00
12.00	907.00	7.00	0.00
15.00	914.00	7.00	0.00
18.00	916.00	2.00	0.00
21.00	918.00	2.00	0.00
24.00	919.00	1.00	0.00
27.00	919.00	0.00	0.00
30.00	919.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	321.00	321.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	321.00	0.00
10.00	328.00	7.00
15.00	344.00	16.00
20.00	369.00	25.00
25.00	391.00	22.00
30.00	411.00	20.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	812.00	812.00	0.00
6.00	887.00	75.00	0.00
9.00	903.00	16.00	0.00
12.00	908.00	5.00	0.00
15.00	913.00	5.00	0.00
18.00	916.00	3.00	0.00
21.00	917.00	1.00	0.00
24.00	918.00	1.00	0.00
27.00	918.00	0.00	0.00
30.00	918.00	0.00	0.00
33.00	918.00	0.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

LAST TEST

TICKET No 20321

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

Elevation 2070 K.B Formation ARBUCKLE Eff. Pay Ft.

District GREAT BEND Date 6-15-94 Customer Order No.

COMPANY NAME WOODMAN TANNITI OIL CO.

ADDRESS 24 205 16W

LEASE AND WELL NO. OETKIN #7 COUNTY PAWNEE STATE Sec. 24 Twp. 205 Rge. 16W

Mail Invoice To SAMS Co. Name #7 Oetkin Address No. Copies Requested 856

Mail Charts To #7 Oetkin Address No. Copies Requested

Formation Test No. 2 Interval Tested From 3812 ft. to 3820 ft. Total Depth 3820 ft.

Packer Depth 3807 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3812 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3813 ft. Recorder Number 11018 Cap. 4425 PSI

Bottom Recorder Depth (Outside) 3817 ft. Recorder Number 13629 Cap. 4425 PSI

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

Drilling Contractor EMPHASIS Drill Collar Length 0 I. D. - in.

Mud Type CHEMICAL Viscosity 50 Weight Pipe Length 380 I. D. 2.7 in.

Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 3408 I. D. 3.2 in.

Chlorides 5100 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.

Jars: Make NOT RAN Serial Number - Anchor Length 8 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out YES 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 in.

Blow: 1ST FLOW: STRONG BLOW B.O.B IN 2 MINUTE, GTS IN 20 MINUTE, GUAGED 8 MCF, 2ND FLOW: STRONG BLOW, GTS THROUGHOUT TEST

Recovered 180 ft. of VS OIL CUT GASST WATER (12% OIL 20% GAS 79% W)

Recovered 1600 ft. of GASST SULFUR WATER (15% GAS 87% WATER)

Recovered - ft. of

Recovered - ft. of

Recovered 1780 ft. of TOTAL RECOVERY

Chlorides 24,000 P.P.M. Sample Jars used - Remarks:

Time On Location 10:00 AM Time Pick Up Tool 11:30 AM Time Off Location 7:00 AM

Time Set Packer(s) 1:00 PM Time Started Off Bottom 3:00 PM Maximum Temperature 123 1840

Initial Hydrostatic Pressure (A) 1840 P.S.I.

Initial Flow Period Minutes 30 (B) 255 P.S.I. to (C) 510 P.S.I. 890

Initial Closed In Period Minutes 30 (D) 640 P.S.I.

Final Flow Period Minutes 30 (E) 640 P.S.I. to (F) 800 P.S.I. 640-800

Final Closed In Period Minutes 30 (G) 890 P.S.I.

Final Hydrostatic Pressure (H) 1840 P.S.I. 1840

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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes 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

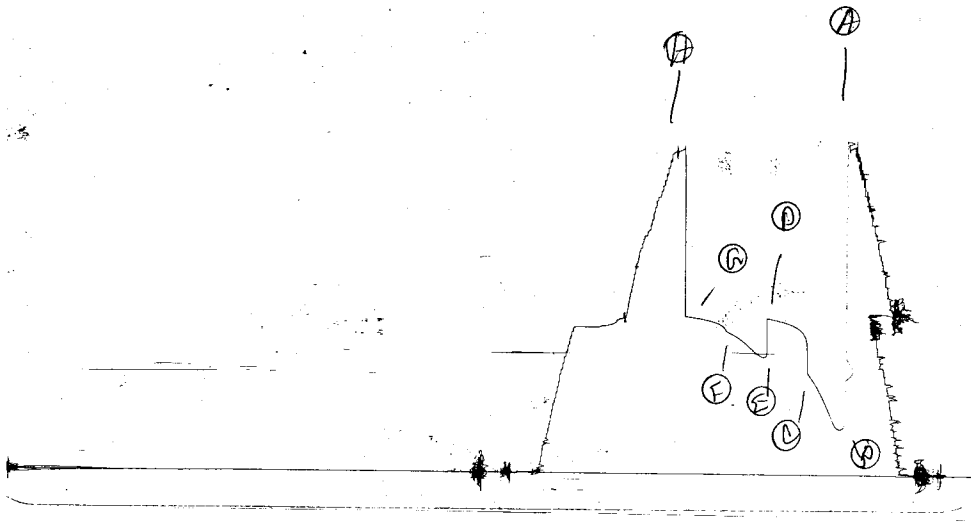
Date 6-18-94 Test Ticket No. 20541
 Recorder No. 11018 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1876</u> P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>1848</u> P.S.I.			

PRESSURE BREAKDOWN

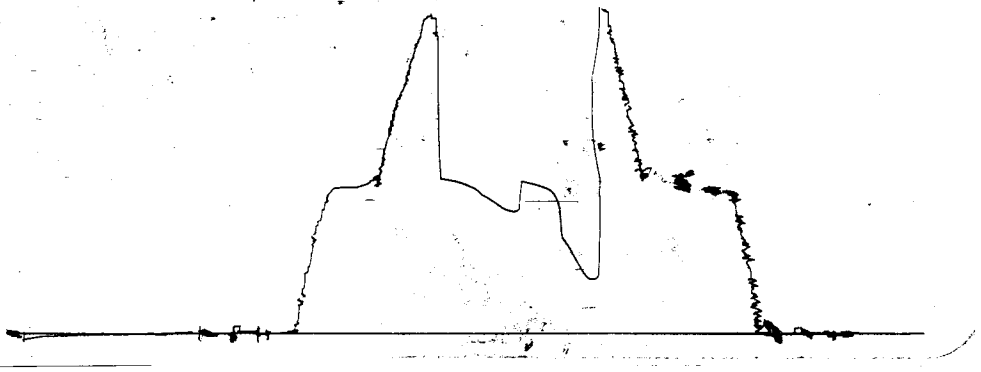
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>264</u>	0	<u>584</u>	0	<u>676</u>	0	<u>819</u>
P 2 5	<u>264</u>	3	<u>803</u>	5	<u>685</u>	3	<u>832</u>
P 3 10	<u>316</u>	6	<u>821</u>	10	<u>710</u>	6	<u>865</u>
P 4 15	<u>402</u>	9	<u>849</u>	15	<u>747</u>	9	<u>873</u>
P 5 20	<u>476</u>	12	<u>860</u>	20	<u>776</u>	12	<u>880</u>
P 6 25	<u>541</u>	15	<u>867</u>	25	<u>803</u>	15	<u>885</u>
P 7 30	<u>584</u>	18	<u>876</u>	30	<u>819</u>	18	<u>888</u>
P 8 35		21	<u>881</u>	35		21	<u>894</u>
P 9 40		24	<u>886</u>	40		24	<u>897</u>
P10 45		27	<u>892</u>	45		27	<u>900</u>
P11 50		30	<u>896</u>	50		30	<u>904</u>
P12 55		33		55		33	
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

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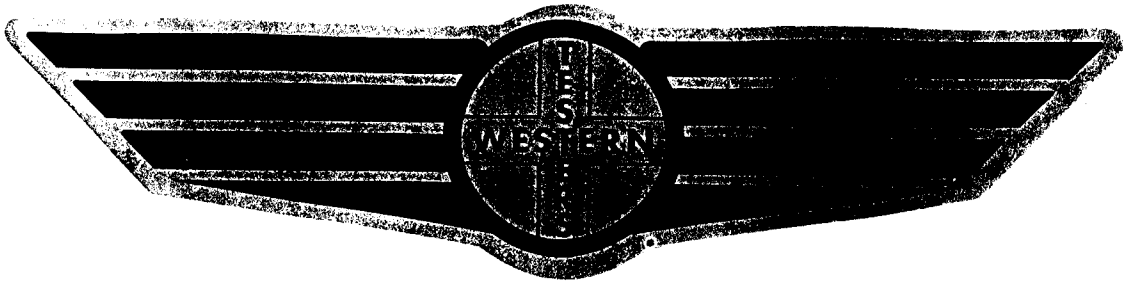


DST #2 R00A/B629

KT 2021



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7071

DST REPORT

GENERAL INFORMATION

DATE : 6/15/94
CUSTOMER : WOODMAN-IANNITTI OIL
WELL : #7 TEST: 2
ELEVATION: 2070 KB
SECTION : 24
RANGE : 16W COUNTY: PAWNEE
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20321
LEASE : OETKIN
GEOLOGIST: MORGENSTEEN
FORMATION: ARBUCKLE
TOWNSHIP : 20S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3812.00 ft TO: 3820.00 ft TVD: 3820.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3813.0 ft 3817.0 ft
TEMPERATURE: 123.0

DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 380.0 ft I.D.: 2.700 in
DRILL PIPE LENGTH : 3408.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 24.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 8.0 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: 3807.0 ft SIZE: 6.630 in
PACKER DEPTH: 3812.0 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. : EMPHASIS
MUD TYPE : CHEMICAL
WEIGHT : 9.200 ppg
CHLORIDES : 5100 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 50.00 cp
WATER LOSS: 9.600 cc
SERIAL NUMBER:
REVERSED OUT?: YES

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET
IN 1 MINUTE. GAS TO SURFACE IN 20 MINUTES. GUAG-
ED 8 MCF/D. FINAL FLOW PERIOD STRONG BLOW - GAS

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TO SURFACE THROUGHOUT. TOO SMALL TO MEASURE.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	1.0	20.0	79.0	0.0	VERY SL OIL CUT GASSY WTR
1600.0	0.0	15.0	85.0	0.0	GASSY SULFUR WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 24000 PPM

RATE INFORMATION

OIL VOLUME:	0.0252 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	19.5144 SCF	AVERAGE OIL RATE:	0.6059 STB/D
MUD VOLUME:	0.0000 STB	AVERAGE WATER RATE:	451.8503 STB/D
WATER VOLUME:	18.8271 STB		
TOTAL FLUID :	18.8523 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1860.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	255.00	510.00
INITIAL SHUT-IN	30.00		890.00
FINAL FLOW	30.00	640.00	800.00
FINAL SHUT-IN	30.00		890.00

FINAL HYDROSTATIC PRESSURE: 1840.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1876.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	264.00	584.00
INITIAL SHUT-IN	30.00		896.00
FINAL FLOW	30.00	676.00	819.00
FINAL SHUT-IN	30.00		904.00

FINAL HYDROSTATIC PRESSURE: 1848.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6/15/94	TICKET : 20321
CUSTOMER : WOODMAN-IANNITTI OIL	LEASE : OETKIN
WELL : #7 TEST: 2	GEOLOGIST: MORGENSTEEN
ELEVATION: 2070 KB	FORMATION: ARBUCKLE
SECTION : 24	TOWNSHIP : 20S
RANGE : 16W COUNTY: PAWNEE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	264.00	264.00
5.00	264.00	0.00
10.00	316.00	52.00
15.00	402.00	86.00
20.00	476.00	74.00
25.00	541.00	65.00
30.00	584.00	43.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	803.00	803.00	11.00
6.00	831.00	28.00	6.00
9.00	849.00	18.00	4.33
12.00	860.00	11.00	3.50
15.00	867.00	7.00	3.00
18.00	876.00	9.00	2.67
21.00	881.00	5.00	2.43
24.00	886.00	5.00	2.25
27.00	892.00	6.00	2.11
30.00	896.00	4.00	2.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	676.00	676.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	683.00	7.00
10.00	710.00	27.00
15.00	747.00	37.00
20.00	776.00	29.00
25.00	803.00	27.00
30.00	819.00	16.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	853.00	853.00	11.00
6.00	865.00	12.00	6.00
9.00	873.00	8.00	4.33
12.00	880.00	7.00	3.50
15.00	885.00	5.00	3.00
18.00	888.00	3.00	2.67
21.00	894.00	6.00	2.43
24.00	897.00	3.00	2.25
27.00	900.00	3.00	2.11
30.00	904.00	4.00	2.00