

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACQ-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 30442

Name: JN EXPLORATION & PRODUCTION LTD PARTNERSHIP

Address P. O. BOX 7167

BILLINGS, MT 59103-7167

City/State/Zip _____

Purchaser: N/A

Operator Contact Person: KENT J. STOLZ

Phone (406) 248-2222

Contractor: Name: MURFIN DRILLING COMPANY

License: 30606

Wellsite Geologist: RANDY SAY

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2/14/94 2/23/94 2/25/94
Spud Date Date Reached TD Completion Date

API NO. 15- 181-20-295-00-00

County SHERMAN

C - NW - NW - Sec. 32 Twp. 9S Rge. 42 XX

660 Feet from XXXM (circle one) Line of Section

660 Feet from XXXW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, W or SW (circle one)

Lease Name JN CLOYD-JONES Well # 11-32

Field Name WILDCAT

Producing Formation N/A

Elevation: Ground 3970' KB 3975'

Total Depth 5500' PSTD SURFACE

Amount of Surface Pipe Set and Cemented at 377' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to NO PIPE SET w/ _____ sx cat.

Drilling Fluid Management Plan D&A JH 6-16-94
(Data must be collected from the Reserve Pit)

Chloride content 500 ppm Fluid volume _____ bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Kel J. Stolz

Title PETROLEUM ENGINEER Date 3/10/94

Subscribed and sworn to before me this 10th day of March, 19 94.

Notary Public Catherine D. Sypver

Date Commission Expires 12-15-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/REP NEPA
KCS Plug-in Commission Other
STATE CORPORATION COMMISSION
03-14-1994
WICHITA, KANSAS

Operator Name JN EXPLORATION & PRODUCTION

Lease Name JN CLOYD-JONES

Well # 11-32

Sec. 32 Twp. 9S Rge. 42

East

County SHERMAN

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ** Yes No
 (Attach Additional Sheets.) ** SEE ATTACHED REPORTS

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

DIL-SFL-GR-SP

CNL-LDT-GR-CALIPER

(ATTACHED)

BHC-SONIC-GR-CALIPER

Log* Formation (Top), Depth and Datum Sample

Name	Top	Datum
DAKOTA	2350'	+1625'
MORRISON	2576'	+1399'
LANSING KANSAS CITY	4514'	- 539'
MARMATON	4848'	- 873'
CHEROKEE	5000'	-1025'
MORROW V7 SAND	5338'	-1363'
MISSISSIPPIAN-ST LOUIS	5360'	-1385'

**FOR ADDITIONAL TOPS, SEE ATTACHED GEOLOGICAL REPORT

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23#	377'	60/40 POZ	250	3% CaCl ₂ and 2% Gel ²

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD	N/A				
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
N/A				

TUBING RECORD	Size	Set At	Packer At	Liner Run
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. Dry Hole - D & A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:
 Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) Dry Hole

Production Interval

None

Phone 913-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ORIGINAL

ALLIED CEMENTING CO., INC. 007559

Home Office P. O. Box 31

Russell, Kansas 67665

15-181-20295-00-00

Date	2-25-94	Sec.	32	Twp.	9 ^S	Range	42 ^W	Called Out	2:30 AM	On Location	7:00 AM	Job Start	9:00 AM	Finish	12:15 PM
Lease	JN Claydon-Jones	Well No.	11-32	Location	Kanorado	65-141-55	County	Shepherd	State	Kan					

Contractor	Murphy Dalg Co #3
Type Job	PTA
Hole Size	7 7/8
T.D.	5500'
Csg.	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner	Score
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	JN Exploration + Production
Street	P.O. Box 7167
City	Billings
State	Montana 59103
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
x (Unit Van Ford)	

EQUIPMENT

No.	Cementer	Dean
Pumptrk 191	Helper	Walt
No.	Cementer	
Pumptrk	Helper	
	Driver	Carl
Bulktrk 315		
Bulktrk	Driver	

Amount Ordered	190 SKS 6 7/8" ID, 1 1/2" GEL
Consisting of	
Common	114 SKS @ 6.00 = 780.00
Poz. Mix	76 SKS @ 3.00 = 228.00
Gel.	7 SKS @ 7.00 = 49.00
Chloride	
Quickset	
Flo-Sock	25" @ 1.10 = 27.50
Sales Tax	
Handling	1.00 per SK = 190.00
Mileage	4¢ per SK mile = 600.40
79 miles	
Sub Total	1,875.80
Total	

DEPTH of Job

Reference:	Pumptruck	525.00
	8 5/8" D.H. P.H.	21.00
	225' Dr. mill	177.75
	Sub Total	
	Tax	
	Total	723.75

Remarks:	25 SKS @ 3340'
	100 SKS @ 2120'
	40 SKS @ 420'
	10 SKS @ 40'
	15 SKS in P.H.

Floating Equipment	

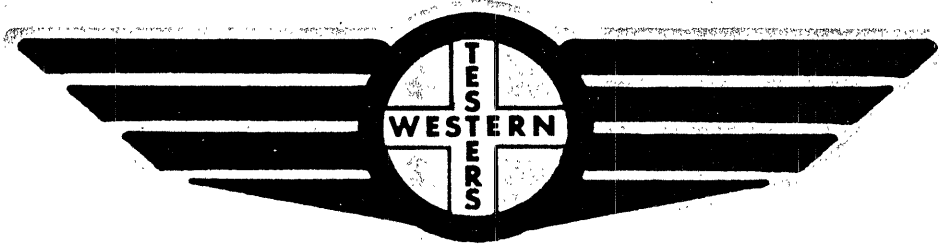
Handwritten signature

OPERATOR'S FILE COPY

15-181-20295-00-00 ORIGINAL

FORMATION TEST REPORT

API#15-181-20295



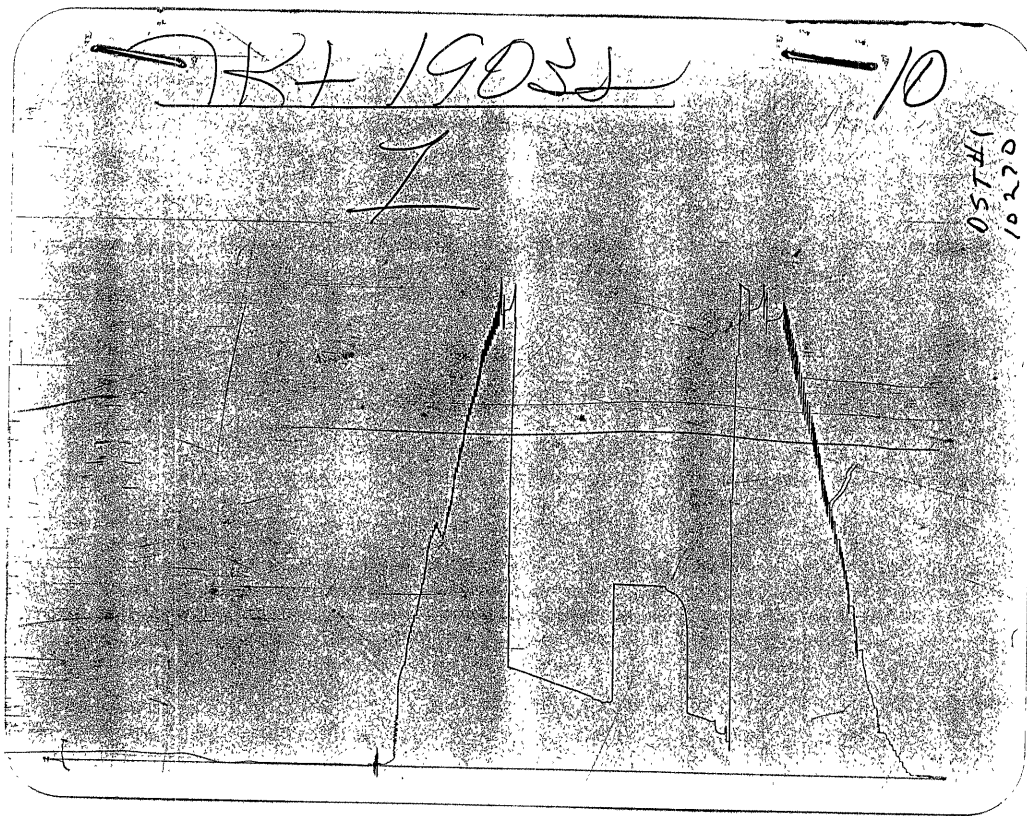
Home Office:

Wichita, Kansas 67201

P.O. Box 1599

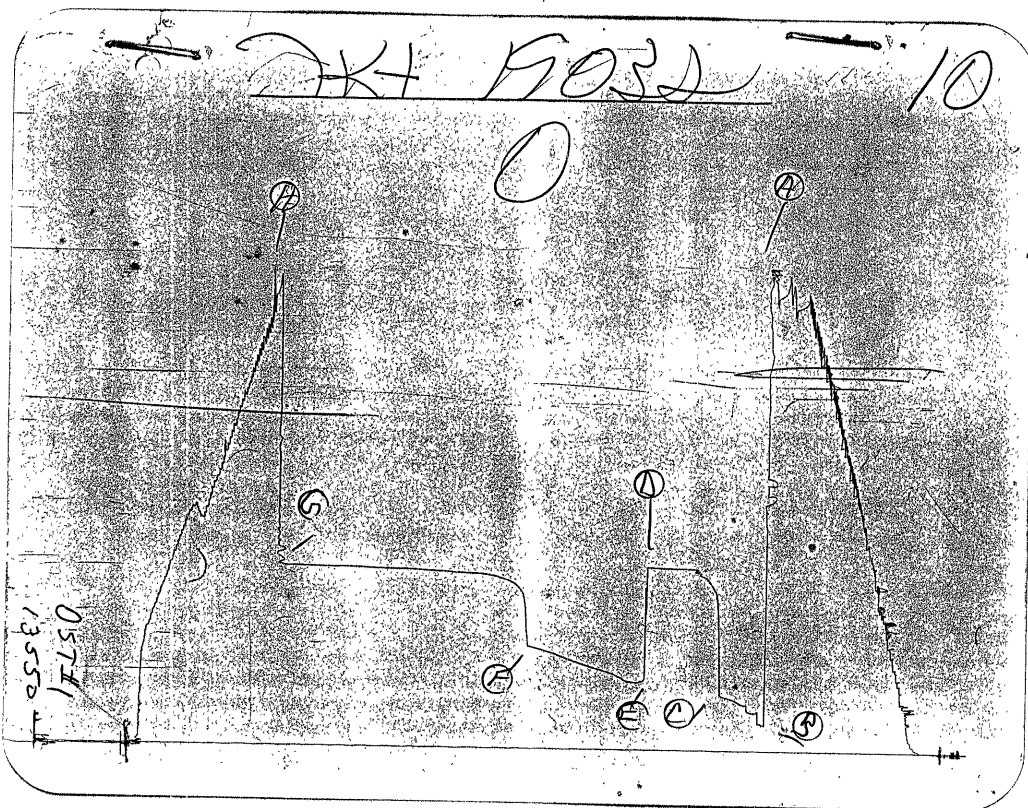
Phone (316) 262-5861

COMPANY JN EXPLORATION & PROD. LP LEASE & WELL NO. #11-32 JN CLOYD- SEC. 32 TWP. 9S RGE. 42N TEST NO. 1 DATE 2/22/94
JONES



ORIGINAL

Inside Recorder

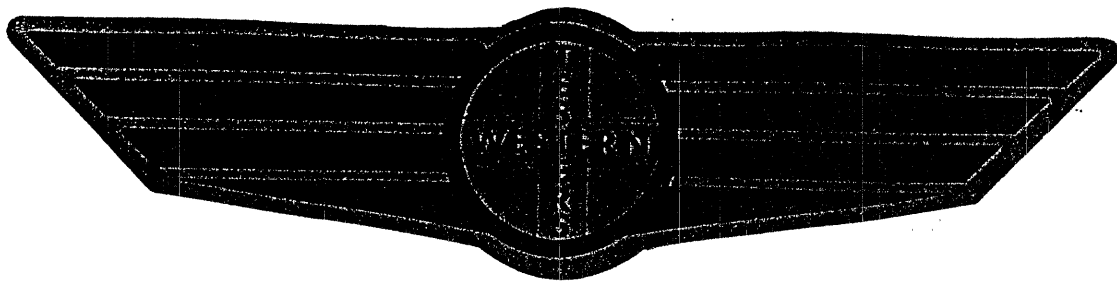


Outside Recorder

15-181-20295-00-00

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY JN EXPLORATION & PROD. LP LEASE & WELL NO. #11-32 JN CLOYD- SEC. 32 TWP. 9S RGE. 42W TEST NO. 1 DATE 2/22/94
JONES

15-181-20295-00-00

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 2/22/94	TICKET	: 19032
CUSTOMER	: JN EXPLORATION & PROD LP	LEASE	: JN CLOYD-JONES
WELL	: #11-32	TEST:	1
ELEVATION	: 3970 GL	GEOLOGIST	: ?
SECTION	: 32	FORMATION	: MORROW
RANGE	: 42W	COUNTY	: SHERMAN
GAUGE SN#	: 13550	RANGE	: 4175
		STATE	: KS
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5234.00 ft TO: 5373.00 ft TVD: 5373.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 5237.0 ft 5240.0 ft
 TEMPERATURE: 146.0

DRILL COLLAR LENGTH:	536.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4666.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	139.0 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:	5229.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5234.0 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. :	MURFIN RIG 3	VISCOSITY :	49.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.200 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	422
CHLORIDES :	350 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO A GOOD BLOW -
 1 TO 9 INCH BLOW. FINAL FLOW PERIOD WEAK BUILDING
 TO A STRONG BLOW IN 70 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
330.0	0.0	0.0	80.0	20.0	MUDDY WATER
900.0	0.0	0.0	100.0	0.0	WATER

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	125.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.9257	STB	AVERAGE WATER RATE:	141.1686	STB/D
WATER VOLUME:	11.3285	STB			
TOTAL FLUID :	12.2542	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2493.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	127.00	286.00
INITIAL SHUT-IN	60.00		997.00
FINAL FLOW	90.00	360.00	560.00
FINAL SHUT-IN	180.00		987.00

FINAL HYDROSTATIC PRESSURE: 2493.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2642.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	153.00	317.00
INITIAL SHUT-IN	60.00		1020.00
FINAL FLOW	90.00	383.00	578.00
FINAL SHUT-IN	186.00		1006.00

FINAL HYDROSTATIC PRESSURE: 2611.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 2/22/94	TICKET	: 19032
CUSTOMER	: JN EXPLORATION & PROD LP	LEASE	: JN CLOYD-JONES
WELL	: #11-32	TEST:	1
ELEVATION:	3970 GL	GEOLOGIST:	?
SECTION	: 32	FORMATION:	MORROW
RANGE	: 42W	TOWNSHIP	: 9S
GAUGE SN#:	13550	STATE	: KS
	COUNTY: SHERMAN	CLOCK	: 12
	RANGE : 4175		

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	153.00	153.00
5.00	225.00	72.00
10.00	220.00	-5.00
15.00	263.00	43.00
20.00	278.00	15.00
25.00	294.00	16.00
30.00	305.00	11.00
35.00	317.00	12.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	648.00	648.00	0.00
6.00	853.00	205.00	0.00
9.00	910.00	57.00	0.00
12.00	938.00	28.00	0.00
15.00	963.00	25.00	0.00
18.00	975.00	12.00	0.00
21.00	992.00	17.00	0.00
24.00	1010.00	18.00	0.00
27.00	1013.00	3.00	0.00
30.00	1015.00	2.00	0.00
33.00	1015.00	0.00	0.00
36.00	1015.00	0.00	0.00
39.00	1016.00	1.00	0.00
42.00	1016.00	0.00	0.00
45.00	1016.00	0.00	0.00
48.00	1017.00	1.00	0.00
51.00	1017.00	0.00	0.00
54.00	1018.00	1.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
57.00	1019.00	1.00	0.00
60.00	1020.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	383.00	383.00
5.00	383.00	0.00
10.00	386.00	3.00
15.00	397.00	11.00
20.00	416.00	19.00
25.00	432.00	16.00
30.00	443.00	11.00
35.00	456.00	13.00
40.00	466.00	10.00
45.00	478.00	12.00
50.00	491.00	13.00
55.00	505.00	14.00
60.00	518.00	13.00
65.00	530.00	12.00
70.00	544.00	14.00
75.00	553.00	9.00
80.00	565.00	12.00
85.00	573.00	8.00
90.00	578.00	5.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	787.00	787.00	0.00
6.00	869.00	82.00	0.00
9.00	902.00	33.00	0.00
12.00	919.00	17.00	0.00
15.00	933.00	14.00	0.00
18.00	944.00	11.00	0.00
21.00	949.00	5.00	0.00
24.00	956.00	7.00	0.00
27.00	960.00	4.00	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>
30.00	965.00	5.00	0.00
33.00	970.00	5.00	0.00
36.00	972.00	2.00	0.00
39.00	973.00	1.00	0.00
42.00	974.00	1.00	0.00
45.00	975.00	1.00	0.00
48.00	976.00	1.00	0.00
51.00	977.00	1.00	0.00
54.00	978.00	1.00	0.00
57.00	979.00	1.00	0.00
60.00	980.00	1.00	0.00
63.00	981.00	1.00	0.00
66.00	982.00	1.00	0.00
69.00	984.00	2.00	0.00
72.00	986.00	2.00	0.00
75.00	988.00	2.00	0.00
78.00	989.00	1.00	0.00
81.00	990.00	1.00	0.00
84.00	991.00	1.00	0.00
87.00	992.00	1.00	0.00
90.00	993.00	1.00	0.00
93.00	993.00	0.00	0.00
96.00	994.00	1.00	0.00
99.00	994.00	0.00	0.00
102.00	995.00	1.00	0.00
105.00	995.00	0.00	0.00
108.00	996.00	1.00	0.00
111.00	996.00	0.00	0.00
114.00	997.00	1.00	0.00
117.00	997.00	0.00	0.00
120.00	998.00	1.00	0.00
123.00	998.00	0.00	0.00
126.00	999.00	1.00	0.00
129.00	999.00	0.00	0.00
132.00	1000.00	1.00	0.00
135.00	1000.00	0.00	0.00
138.00	1001.00	1.00	0.00
141.00	1002.00	1.00	0.00
144.00	1003.00	1.00	0.00
147.00	1003.00	0.00	0.00
150.00	1003.00	0.00	0.00
153.00	1003.00	0.00	0.00
156.00	1004.00	1.00	0.00
159.00	1004.00	0.00	0.00
162.00	1004.00	0.00	0.00
165.00	1004.00	0.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
168.00	1005.00	1.00	0.00
171.00	1005.00	0.00	0.00
174.00	1005.00	0.00	0.00
177.00	1006.00	1.00	0.00
180.00	1006.00	0.00	0.00
183.00	1006.00	0.00	0.00
186.00	1006.00	0.00	0.00

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FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 2/22/94	TICKET	: 19032
CUSTOMER	: JN EXPLORATION & PROD LP	LEASE	: JN CLOYD-JONES
WELL	: #11-32	TEST:	1
ELEVATION:	3970 GL	GEOLOGIST:	?
SECTION	: 32	FORMATION:	MORROW
RANGE	: 42W	COUNTY:	SHERMAN
Gauge SN#:	13550	RANGE	: 4175
		TOWNSHIP	: 9S
		STATE	: KS
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	500.00 PSIG	BHT:	146.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	3100.00 cc		
OIL:	0.00 cc		
WATER:	2900.00 cc		
MUD:	200.00 cc		
GAS:	0.28 cc		
OTHER:	0.00 cc		

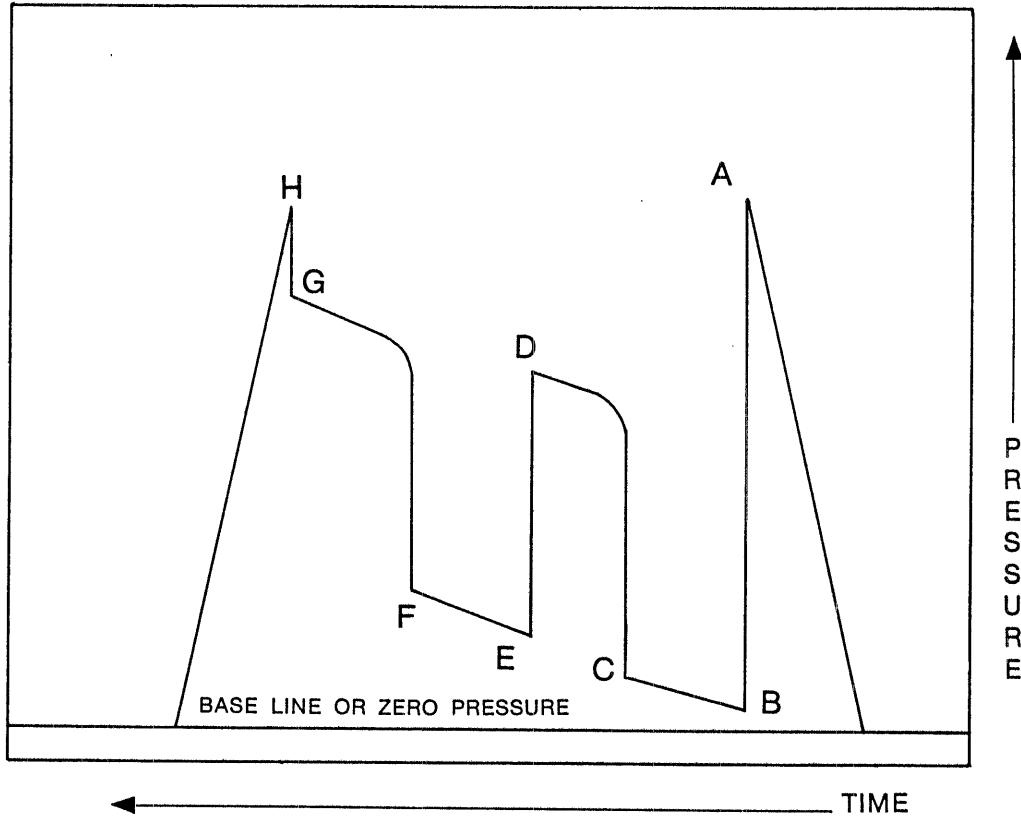
RESISTIVITY

DRILLING MUD:	.14 @ 80 DEGREES F	CHLORIDE CONTENT:	26000.00 ppm
MUD PIT SAMPLE:	9.0 @ 50 DEGREES F	CHLORIDE CONTENT:	350.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:	RIG		
REMARKS:			

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.

AK-1 Recorders



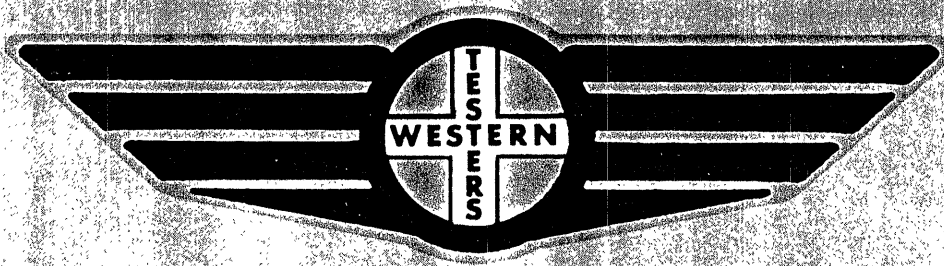
- | | |
|-------------------------|-------------------------|
| A - Initial Hydrostatic | E - Second Initial Flow |
| B - First Initial Flow | F - Second Final Flow |
| C - First Final Flow | G - Final Shut-In |
| D - Initial Shut-In | H - Final Hydrostatic |

OPERATOR'S FILE COPY

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15-181-20295-00-00

FORMATION TEST REPORT

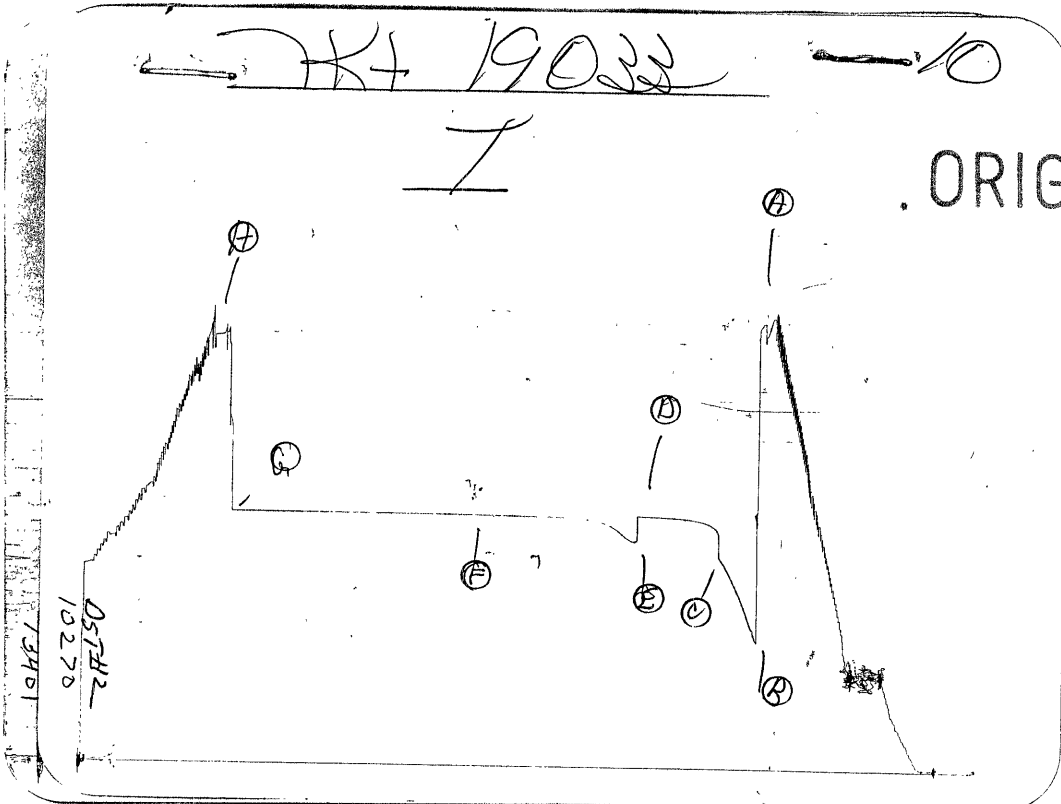


Home Office:
P.O. Box 1599

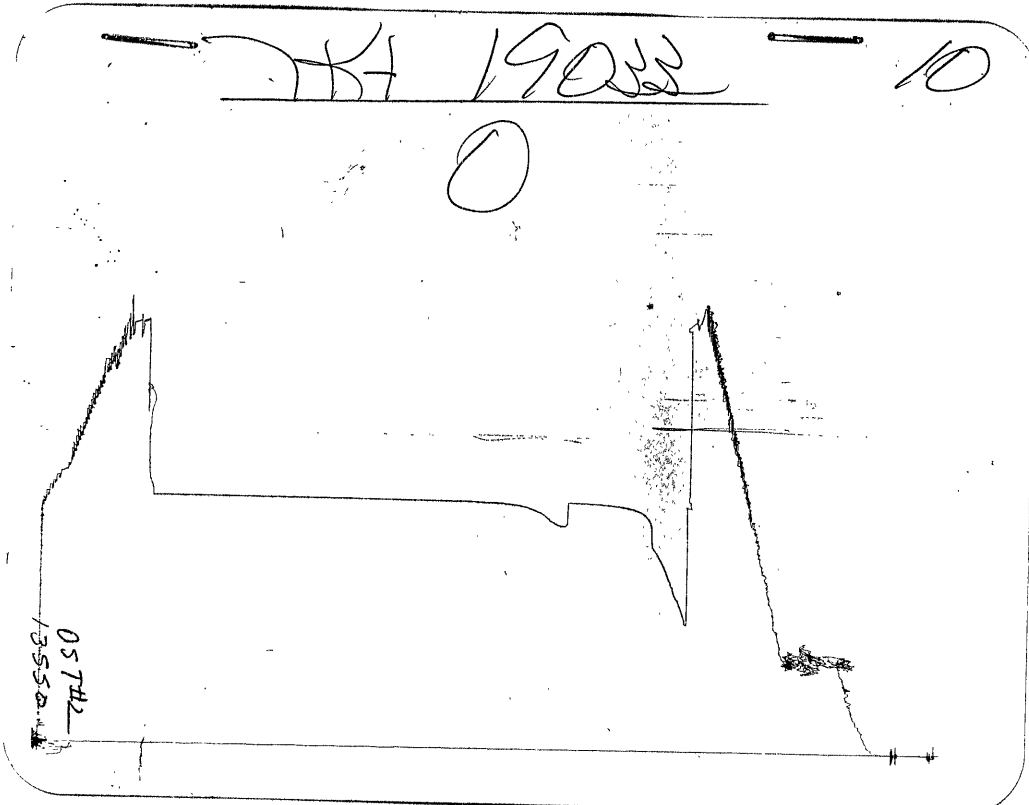
Wichita, Kansas 67201
Phone (316) 262-5861

API # 15-181-20295

COMPANY JN EXPLORATION & PROD. LP LEASE & WELL NO. #11-32 JN CLOYD- JONES SEC. 32 TWP. 9S RGE. 42W TEST NO. 2 DATE 2/24/94



Inside Recorder

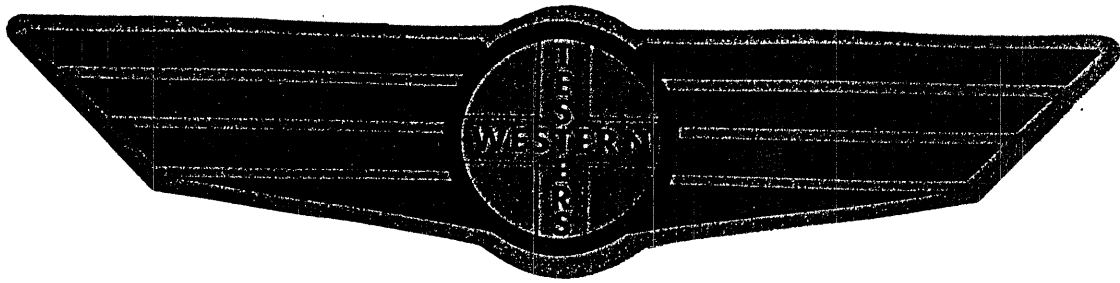


Outside Recorder

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ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY JN EXPLORATION & PROD. LP LEASE & WELL NO. #11-32 JN CLOYD- JONES SEC. 32 TWP. 9S RGE. 42W TEST NO. 2 DATE 2/24/94

15-181-20295-00-00

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 2/24/94	TICKET	: 19033
CUSTOMER	: JN EXPLORATION & PROD LP	LEASE	: JN CLOYD-JONES
WELL	: #11-32	TEST:	: 2
ELEVATION	: 3970 GL	GEOLOGIST:	: ?
SECTION	: 32	FORMATION:	: MARMATON
RANGE	: 42W	TOWNSHIP	: 9S
Gauge SN#	: 10270	STATE	: KS
	COUNTY: SHERMAN	CLOCK	: 12
	RANGE : 4150		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4842.00 ft	TO:	4876.00 ft	TVD:	5500.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4845.0 ft		4848.0 ft		
TEMPERATURE:	140.0				
DRILL COLLAR LENGTH:	536.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4274.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	34.0 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:	4837.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4842.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4876.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	MURFIN RIG 3	VISCOSITY :	54.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.200 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	422
CHLORIDES :	550 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW THROUGHOUT. FINAL FLOW PERIOD STRONG BLOW IN 3 MINUTES DECREASED TO 1/2 INCH BLOW AT END OF FLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
330.0	0.0	0.0	85.0	15.0	MUDDY WATER
2700.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 12000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.6943	STB		
WATER VOLUME:	36.8074	STB		
TOTAL FLUID :	37.5017	STB		
			TOTAL FLOW TIME:	150.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	360.0159 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2389.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	676.00	1132.00
INITIAL SHUT-IN	60.00		1381.00
FINAL FLOW	120.00	1226.00	1381.00
FINAL SHUT-IN	180.00		1381.00

FINAL HYDROSTATIC PRESSURE: 2358.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2452.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	693.00	1154.00
INITIAL SHUT-IN	63.00		1380.00
FINAL FLOW	120.00	1239.00	1380.00
FINAL SHUT-IN	180.00		1388.00

FINAL HYDROSTATIC PRESSURE: 2360.00

15-181-20295-00-00

ORIGINAL

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/24/94	TICKET : 19033
CUSTOMER : JN EXPLORATION & PROD LP	LEASE : JN CLOYD-JONES
WELL : #11-32 TEST: 2	GEOLOGIST: ?
ELEVATION: 3970 GL	FORMATION: MARMATON
SECTION : 32	TOWNSHIP : 9S
RANGE : 42W COUNTY: SHERMAN	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	693.00	693.00
5.00	777.00	84.00
10.00	876.00	99.00
15.00	955.00	79.00
20.00	1033.00	78.00
25.00	1100.00	67.00
30.00	1154.00	54.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1310.00	1310.00	0.00
6.00	1326.00	16.00	0.00
9.00	1340.00	14.00	0.00
12.00	1348.00	8.00	0.00
15.00	1354.00	6.00	0.00
18.00	1358.00	4.00	0.00
21.00	1363.00	5.00	0.00
24.00	1365.00	2.00	0.00
27.00	1368.00	3.00	0.00
30.00	1370.00	2.00	0.00
33.00	1372.00	2.00	0.00
36.00	1374.00	2.00	0.00
39.00	1376.00	2.00	0.00
42.00	1377.00	1.00	0.00
45.00	1378.00	1.00	0.00
48.00	1379.00	1.00	0.00
51.00	1379.00	0.00	0.00
54.00	1380.00	1.00	0.00
57.00	1380.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1380.00	0.00	0.00
63.00	1380.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	1239.00	1239.00
5.00	1244.00	5.00
10.00	1270.00	26.00
15.00	1301.00	31.00
20.00	1323.00	22.00
25.00	1340.00	17.00
30.00	1351.00	11.00
35.00	1358.00	7.00
40.00	1363.00	5.00
45.00	1365.00	2.00
50.00	1368.00	3.00
55.00	1370.00	2.00
60.00	1371.00	1.00
65.00	1372.00	1.00
70.00	1373.00	1.00
75.00	1374.00	1.00
80.00	1375.00	1.00
85.00	1376.00	1.00
90.00	1376.00	0.00
95.00	1377.00	1.00
100.00	1377.00	0.00
105.00	1378.00	1.00
110.00	1378.00	0.00
115.00	1379.00	1.00
120.00	1380.00	1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1380.00	1380.00	0.00
6.00	1380.00	0.00	0.00
9.00	1380.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
12.00	1380.00	0.00	0.00
15.00	1381.00	1.00	0.00
18.00	1381.00	0.00	0.00
21.00	1381.00	0.00	0.00
24.00	1381.00	0.00	0.00
27.00	1381.00	0.00	0.00
30.00	1382.00	1.00	0.00
33.00	1382.00	0.00	0.00
36.00	1382.00	0.00	0.00
39.00	1382.00	0.00	0.00
42.00	1382.00	0.00	0.00
45.00	1382.00	0.00	0.00
48.00	1383.00	1.00	0.00
51.00	1383.00	0.00	0.00
54.00	1383.00	0.00	0.00
57.00	1383.00	0.00	0.00
60.00	1384.00	1.00	0.00
63.00	1384.00	0.00	0.00
66.00	1384.00	0.00	0.00
69.00	1384.00	0.00	0.00
72.00	1384.00	0.00	0.00
75.00	1384.00	0.00	0.00
78.00	1384.00	0.00	0.00
81.00	1384.00	0.00	0.00
84.00	1384.00	0.00	0.00
87.00	1385.00	1.00	0.00
90.00	1385.00	0.00	0.00
93.00	1385.00	0.00	0.00
96.00	1385.00	0.00	0.00
99.00	1385.00	0.00	0.00
102.00	1385.00	0.00	0.00
105.00	1385.00	0.00	0.00
108.00	1385.00	0.00	0.00
111.00	1385.00	0.00	0.00
114.00	1385.00	0.00	0.00
117.00	1385.00	0.00	0.00
120.00	1385.00	0.00	0.00
123.00	1385.00	0.00	0.00
126.00	1385.00	0.00	0.00
129.00	1386.00	1.00	0.00
132.00	1386.00	0.00	0.00
135.00	1387.00	1.00	0.00
138.00	1387.00	0.00	0.00
141.00	1387.00	0.00	0.00
144.00	1387.00	0.00	0.00
147.00	1387.00	0.00	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>
150.00	1388.00	1.00	0.00
153.00	1388.00	0.00	0.00
156.00	1388.00	0.00	0.00
159.00	1388.00	0.00	0.00
162.00	1388.00	0.00	0.00
165.00	1388.00	0.00	0.00
168.00	1388.00	0.00	0.00
171.00	1388.00	0.00	0.00
174.00	1388.00	0.00	0.00
177.00	1388.00	0.00	0.00
180.00	1388.00	0.00	0.00

15-181-20295-00-00 ORIGINAL

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 2/24/94	TICKET	: 19033
CUSTOMER	: JN EXPLORATION & PROD LP	LEASE	: JN CLOYD-JONES
WELL	: #11-32	TEST	: 2
ELEVATION	: 3970 GL	GEOLOGIST	: ?
SECTION	: 32	FORMATION	: MARMATON
RANGE	: 42W	COUNTY	: SHERMAN
Gauge SN#	: 10270	STATE	: KS
		RANGE	: 4150
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	1200.00 PSIG	BHT:	140.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	3000.00 cc		
OIL:	0.00 cc		
WATER:	3000.00 cc		
MUD:	0.00 cc		
GAS:	0.00 cc		
OTHER:	0.00 cc		

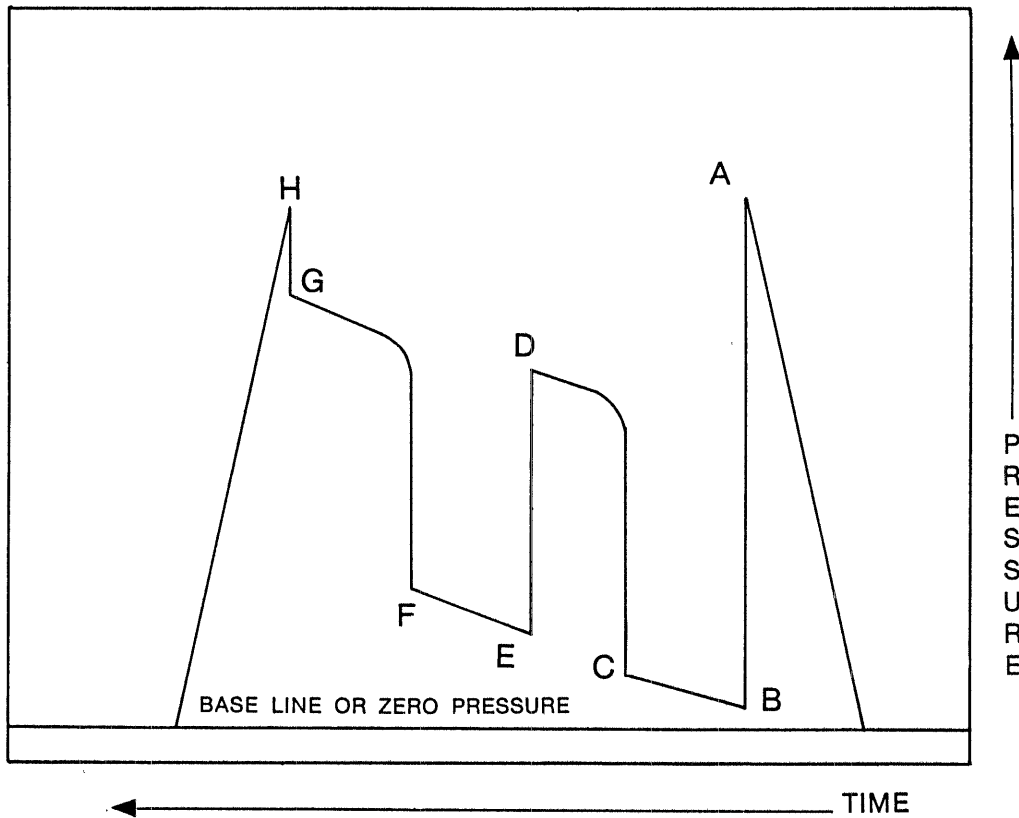
RESISTIVITY

DRILLING MUD:	.30 @ 75 DEGREES F	CHLORIDE CONTENT:	12000.00 ppm
MUD PIT SAMPLE:	6.0 @ 65 DEGREES F	CHLORIDE CONTENT:	550.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:	RIG		
REMARKS:			

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.

AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic