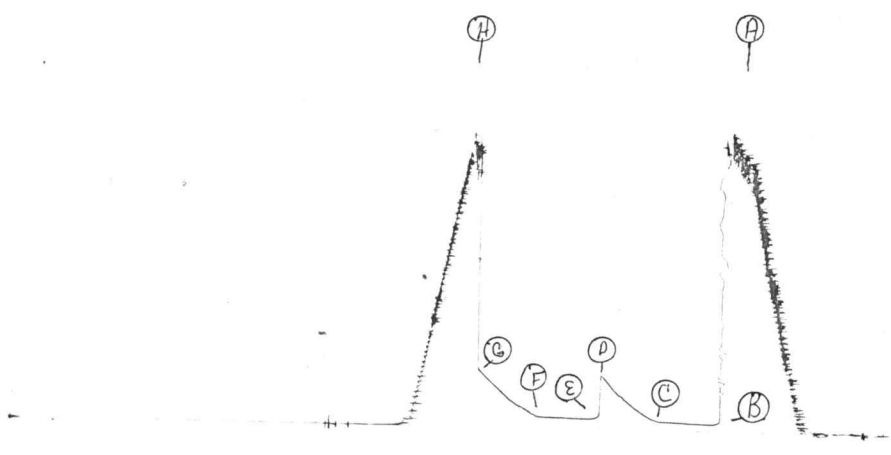


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DST-1

TKT# 4659

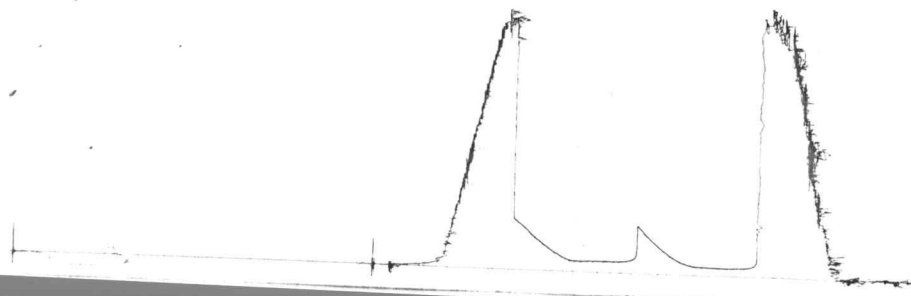
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TKT# 4659.

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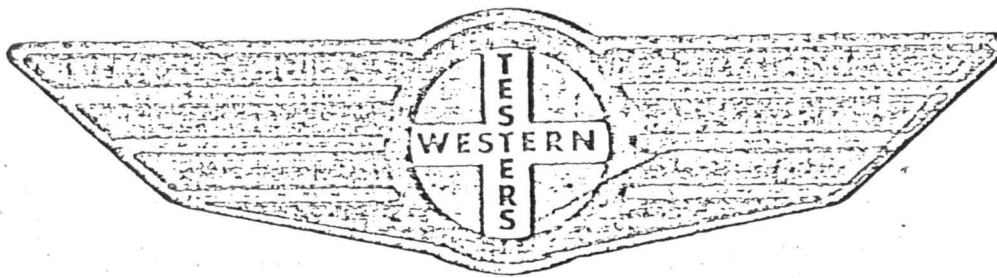


5673

# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company WES TECH ENERGY COMPANY Lease and Well No. #1-24 "A" UNRUH Sec. 24 Twp. 20S Rge. 15W Test No. 1 Date 2/29/48

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 2/29/84 TICKET #4659  
 CUSTOMER: WES TECH ENERGY COMPANY LEASE: UNRUH "A"  
 WELL: 1-24 TEST: 1 GEOLOGIST: HALLEY  
 ELEVATION (KB): 1921 FORMATION: LANSING "F"  
 SECTION: 24 TOWNSHIP: 20S  
 RANGE: 15W COUNTY: BARTON STATE: KANSAS  
 GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3298 FT TO: 3375 FT TOTAL DEPTH: 3375 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 3293 FT SIZE: 6 3/4 IN PACKER DEPTH: 3298 FT SIZE: 6 3/4 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: W-I  
 MUD TYPE: STARCH VISCOSITY: 44  
 WEIGHT: 9.8 WATER LOSS (CC): 12.8  
 CHLORIDES (P.P.M.): 76000  
 JARS - MAKE: W.T.C. SERIAL NUMBER: 420  
 DID WELL FLOW? REVERSED OUT?  
 DRILL COLLAR LENGTH: FT I.D.: IN  
 WEIGHT PIPE LENGTH: 318 FT I.D.: 2.7 IN  
 DRILL PIPE LENGTH: 2951 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 O.D. IN  
 ANCHOR LENGTH: 77 FT SIZE: 5 1/2 O.D. 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: INITIAL FLOW PERIOD WEAK INCREASING  
 BLOW TO 8". FINAL FLOW BLOW 8"  
 DECREASING TO 5" AT END OF TEST.

RECOVERED: 4700 FT OF: GAS ABOVE FLUID.  
 RECOVERED: 10 FT OF: 50% GAS; 30% OIL; 20% MUD.  
 RECOVERED: 120 FT OF: 10% GAS; 40% OIL; 50% MUD.  
 RECOVERED: 130 FT OF: OIL CUT GASSY MUD  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:

REMARKS:

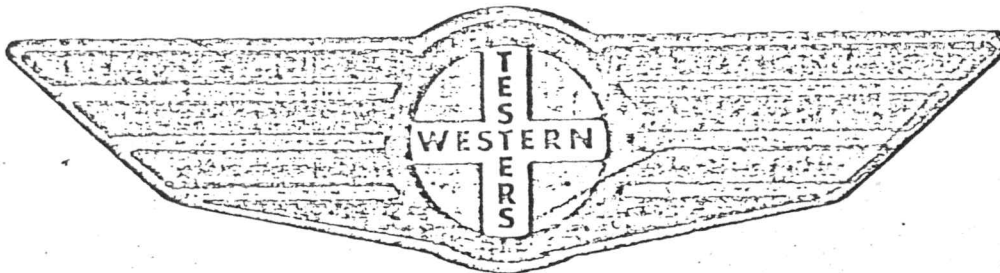
TIME SET PACKER(S): 6:25 P.M. TIME STARTED OFF BOTTOM: 9:25 P.M.  
 WELL TEMPERATURE: 103 °F  
 INITIAL HYDROSTATIC PRESSURE: (A) 1730 PSI  
 INITIAL FLOW PERIOD MIN: 45 (B) 46 PSI TO (C) 55 PSI  
 INITIAL CLOSED IN PERIOD MIN: 42 (D) 338 PSI  
 FINAL FLOW PERIOD MIN: 45 (E) 69 PSI TO (F) 71 PSI  
 FINAL CLOSED IN PERIOD MIN: 45 (G) 358 PSI  
 FINAL HYDROSTATIC PRESSURE (H) 1706 PSI



# FORMATION

# TEST

# REPORT



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Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company \_\_\_\_\_ WES TECH ENERGY COMPANY \_\_\_\_\_ Lease and Well No. #1-24 "A" UNRUH \_\_\_\_\_ Sec. 24 \_\_\_\_\_ Twp. 20S \_\_\_\_\_ Rge. 15W \_\_\_\_\_ Test No. 11 \_\_\_\_\_ Date 3/1/84 \_\_\_\_\_

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/1/84 TICKET #4660  
CUSTOMER: WES TECH ENERGY COMPANY LEASE: UNRUH "A"  
WELL: 1-24 TEST: 2 GEOLOGIST: MITCHELL  
ELEVATION (KB): 1921 FORMATION: LANSING "G"  
SECTION: 24 TOWNSHIP: 20S  
RANGE: 15W COUNTY: BARTON STATE: KANSAS  
GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3373 FT TO: 3385 FT TOTAL DEPTH: 3385 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3368 FT SIZE: 6 3/4 IN PAKER DEPTH: 3373 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: W-I  
MUD TYPE: STARCH VISCOSITY: 48  
WEIGHT: 9.8 WATER LOSS (CC): 12.8  
CHLORIDES (P.P.M.): 76000  
JARS - MAKE: W.T.C. SERIAL NUMBER: 420  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: FT I.D.: IN  
WEIGHT PIPE LENGTH: 382 FT I.D.: 2.7 IN  
DRILL PIPE LENGTH: 2962 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 12 FT SIZE: 5 1/2 O.D. 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: STRONG BLOWS DURING BOTH FLOW PERIODS.

RECOVERED: 915 FT OF: GAS CUT WATER.  
RECOVERED: 105 FT OF: GAS ABOVE FLUID.  
RECOVERED: FT OF: CHLORIDES 91000 P.P.M.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

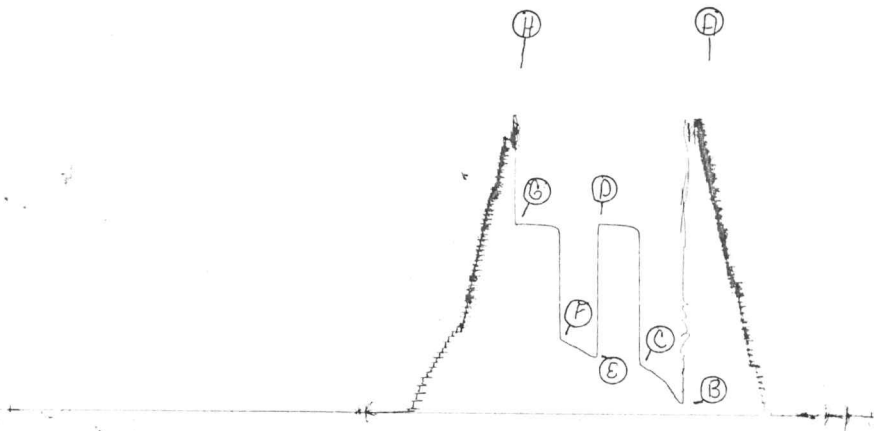
TIME SET PACKER(S): 7:30 A.M. TIME STARTED OFF BOTTOM: 9:30 A.M.  
WELL TEMPERATURE: 140 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1821 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 76 PSI TO (C) 314 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1195 PSI  
FINAL FLOW PERIOD MIN: 25 (E) 365 PSI TO (F) 472 PSI  
FINAL CLOSED IN PERIOD MIN: 33 (G) 1194 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1806 PSI



DST-2

TKT# 4660

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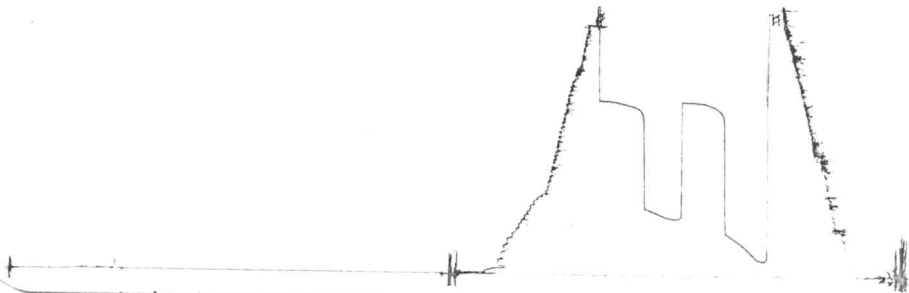
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DST-2

TKT# 4660

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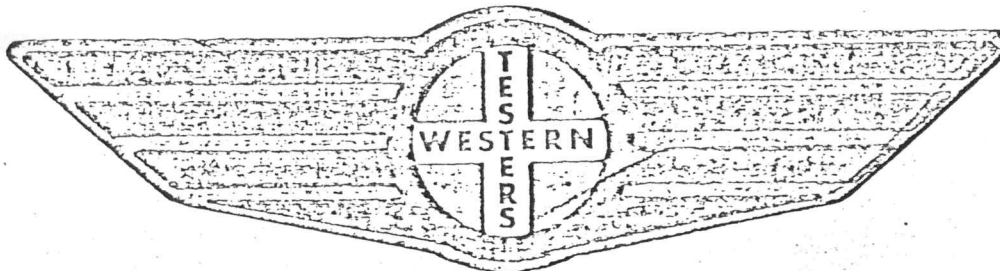


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# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company  
WES TECH ENERGY COMPANY  
Lease and Well No. #1-24 'A' UNRUH  
Sec. 24 Twp. 20S Rge. 15W Test No. 3 Date 3/2/84

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 3/2/84 TICKET #4661  
 CUSTOMER: WES TECH ENERGY COMPANY LEASE: UNRUH "A"  
 WELL: 1-24 TEST: 3 GEOLOGIST: MITCHELL  
 ELEVATION (KB): 1921 FORMATION: ARB  
 SECTION: 24 TOWNSHIP: 20S  
 RANGE: 15W COUNTY: BARTON STATE: KANSAS  
 GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3624 FT TO: 3645 FT TOTAL DEPTH: 3645 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 3619 FT SIZE: 6 3/4 IN PACKER DEPTH: 3624 FT SIZE: 6 3/4 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: W-I  
 MUD TYPE: STARCH VISCOSITY: 44  
 WEIGHT: 9.9 WATER LOSS (CC): 11.6  
 CHLORIDES (P.P.M.): 74000  
 JARS - MAKE: W.T.C SERIAL NUMBER: 420  
 DID WELL FLOW? REVERSED OUT? NO  
 DRILL COLLAR LENGTH: FT I.D.: IN  
 WEIGHT PIPE LENGTH: 382 FT I.D.: 2.7 IN  
 DRILL PIPE LENGTH: 3214 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 O.D. IN  
 ANCHOR LENGTH: 21 FT SIZE: 5 1/2 O.D. 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: STRONG BLOW DURING FLOW PERIODS.  
 GTS IN 3 MINUTES OF IFP.

RECOVERED: 360 FT OF: 70% OIL; 25% GAS; 5% MUD.  
 RECOVERED: 240 FT OF: 25% OIL; 40% GAS; 35% WTR.  
 RECOVERED: 1200 FT OF: 40% OIL; 20% GAS; 40% WTR.  
 RECOVERED: 480 FT OF: 25% OIL; 40% GAS; 45% WTR.  
 RECOVERED: 300 FT OF: 80% WTR; 15% OIL; 5% GAS.  
 RECOVERED: 420 FT OF: GASSY WATER.  
 RECOVERED: FT OF: CHLORIDES 67000 P.P.M.  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:

REMARKS: DST HUNG FOR 50 MINUTES TO BLEED  
 OFF GAS. 600' OF GAS ABOVE FLUID.

TIME SET PACKER(S): 5:15 P.M. TIME STARTED OFF BOTTOM: 7:15 P.M.  
 WELL TEMPERATURE: 119 'F  
 INITIAL HYDROSTATIC PRESSURE: (A) 1995 PSI  
 INITIAL FLOW PERIOD MIN: 30 (B) 382 PSI TO (C) 664 PSI  
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 1174 PSI  
 FINAL FLOW PERIOD MIN: 30 (E) 756 PSI TO (F) 932 PSI  
 FINAL CLOSED IN PERIOD MIN: 30 (G) 1175 PSI  
 FINAL HYDROSTATIC PRESSURE (H) 1976 PSI



## GAS FLOW REPORT

Date 3/2/84 Ticket 4661 Company Wes Tech Energy Company  
 Well Name and No. #1-24 A. Unruh Dst No. 3 Interval Tested 3624-3645  
 County Barton State Kansas Sec. 24 Twp. 20S Rg. 15W

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
<b>PRE FLOW</b>					
PSIG (Gas to surface 3 Minutes)					
5 min.	7	1/2			94,500 CFPD
10	4	1/2			68,800
10	2	1/2			47,700
5	1	1/2			33,900

Inches of Water	<b>SECOND FLOW</b>				
10 min	8	1/2			17,200 CFPD
20	3	1/2			10,900
30	15	1/4			6,550

### GAS BOTTLE

Serial No. 16922 Date Bottle Filled 3/2/84 Date to be Invoiced 3/2/84

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 1 1/2% 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 Wes Tech Energy Company

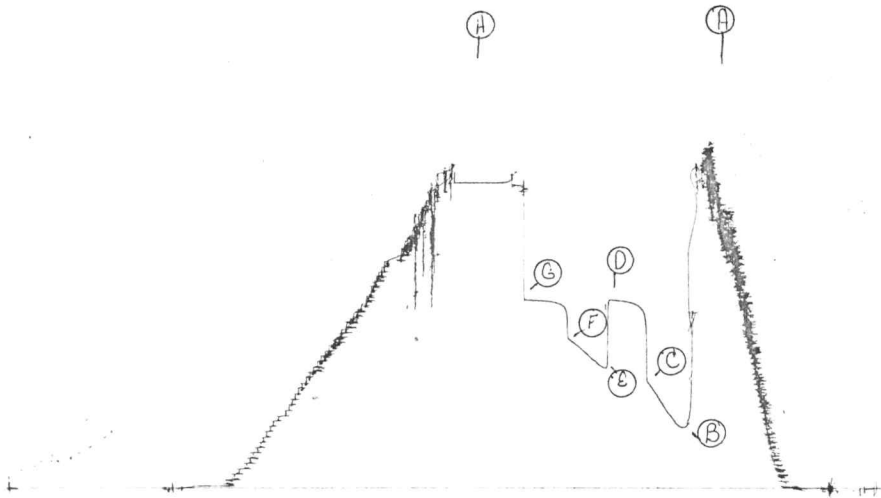
Authorized by Steve Mitchell

DST-3

TKT# 4661

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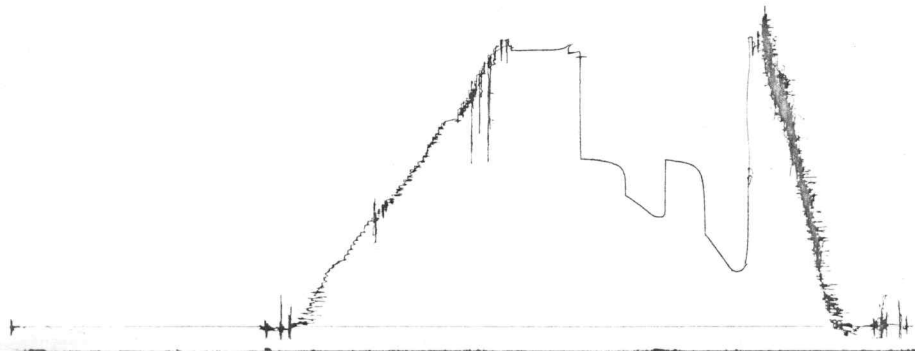
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DST 3

TKT# 4661

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