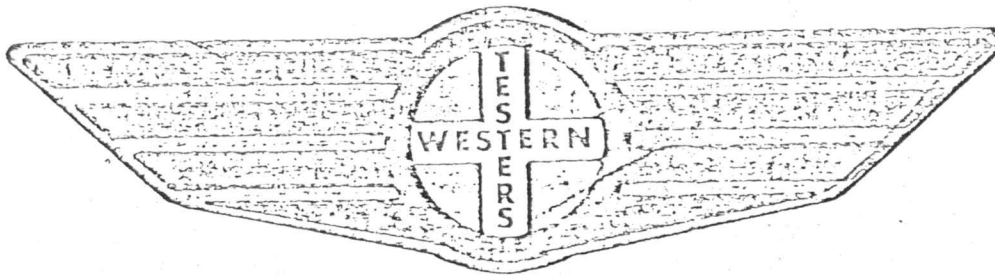


FORMATION

TEST

REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/26/84

TICKET #7826

CUSTOMER: HELMERICH & PAYNE INC.

LEASE: WESSLER

WELL: 1-9

TEST: 1

GEOLOGIST: DOWNY ?

ELEVATION (KB): 2804

FORMATION: ATOKA-MORROW

SECTION: 9

TOWNSHIP: 32S

RANGE: 31W

COUNTY: SEWARD

STATE: KANSAS

GAUGE SN #6233

RANGE: 4000

CLOCK: 12

INTERVAL TEST FROM: 5501 FT TO: 5582 FT TOTAL DEPTH: 5582 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5496 FT SIZE: 6 3/4 IN PACKER DEPTH: 5501 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG

MUD TYPE: CHEMICAL

VISCOSITY: 45

WEIGHT: 9.2

WATER LOSS (CC): 9.2

CHLORIDES (P.P.M.): 3000

JARS - MAKE: WTC

SERIAL NUMBER: 414

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 610 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 4859 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 32 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 81 FT SIZE: 5 1/2 OD 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 STRONG STEADY
BLOW TO 10" IN BUCKET. FINAL FLOW
PERIOD WEAK DECREASING BLOW TO
1 1/2-1 1/4" IN BUCKET.

RECOVERED: 260 FT OF: MUD (CHLORIDES 8000 PPM).
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 9:55 AM

TIME STARTED OFF BOTTOM: 2:25 PM

WELL TEMPERATURE: 125 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 2705 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 145 PSI TO (C) 155 PSI

INITIAL CLOSED IN PERIOD MIN: 60

(D) 201 PSI

FINAL FLOW PERIOD MIN: 60

(E) 193 PSI TO (F) 203 PSI

FINAL CLOSED IN PERIOD MIN: 117

(G) 261 PSI

FINAL HYDROSTATIC PRESSURE

(H) 2690 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/26/84	TICKET #7826
CUSTOMER: HELMERICH & PAYNE INC.	LEASE: WESSLER
WELL: 1-9	GEOLOGIST: DOWNY ?
ELEVATION (KB): 2804	FORMATION: ATOKA-MORROW
SECTION: 9	TOWNSHIP: 32S
RANGE: 31W	COUNTY: SEWARD
Gauge SN #6233	STATE: KANSAS
	CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2705	PSI
(B) FIRST INITIAL FLOW PRESSURE:	145	PSI
(C) FIRST FINAL FLOW PRESSURE:	155	PSI
(D) INITIAL CLOSED-IN PRESSURE:	201	PSI
(E) SECOND INITIAL FLOW PRESSURE:	193	PSI
(F) SECOND FINAL FLOW PRESSURE:	203	PSI
(G) FINAL CLOSED-IN PRESSURE:	261	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2690	PSI
WELL TEMPERATURE:	125	'F
OPEN TOOL: 9:55 AM		

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	60 MIN	60 MIN
FINAL CLOSED-IN PRESSURE:	120 MIN	117 MIN

PRESSURE BREAKDOWN								
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	145	0	155	0	193	0	203
2	5	146	3	156	5	193	3	203
3	10	147	6	157	10	193	6	204
4	15	148	9	158	15	193	9	205
5	20	150	12	159	20	194	12	206
6	25	152	15	161	25	195	15	207
7	30	155	18	164	30	196	18	208
8			21	167	35	197	21	209
9			24	170	40	198	24	210
10			27	173	45	199	27	211
11			30	176	50	200	30	212
12			33	179	55	201	33	213
13			36	182	60	203	36	214
14			39	185			39	215
15			42	188			42	216
16			45	191			45	217
17			48	193			48	218
18			51	195			51	220
19			54	197			54	222
20			57	199			57	224
21			60	201			60	226
22							63	228
23							66	230
24							69	232
25							72	234
26							75	236
27							78	238
28							81	240
29							84	242
30							87	244

PRESSURE BREAKDOWN - CONT. _ TICKET #7826

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	246
32							93	248
33							96	250
34							99	252
35							102	254
36							105	256
37							108	258
38							111	259
39							114	260
40							117	261
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Phone (316) 793-7903



P. O. Box 793 - Great Bend, Kansas

Fluid Sample Report

Date November 26, 1984 Ticket No. 7826

Company Helmerich & Payne Inc.

Well Name & No. Wessler #1-9 DST No. 1

County Seward State Kansas

Sampler No. Test Interval 5501-5582

Pressure in Sampler 160 PSIG BHT 125 OF

Total Volume of Sampler 3150 cc.

Total Volume of Sample: 2950 cc.

Oil: cc.

Water: cc.

Mud: 2950 cc.

Gas: cu. ft.

Other:

Resistivity

Water: MUD .8 @ 65° of Chloride Content 8,000 ppm.

Mud Pit Sample 1.5 @ 65° of Chloride Content 3,000 ppm.

Gas/Oil Ratio Gravity °API @ OF

Where was sample drained Dodge City Shop

Remarks:

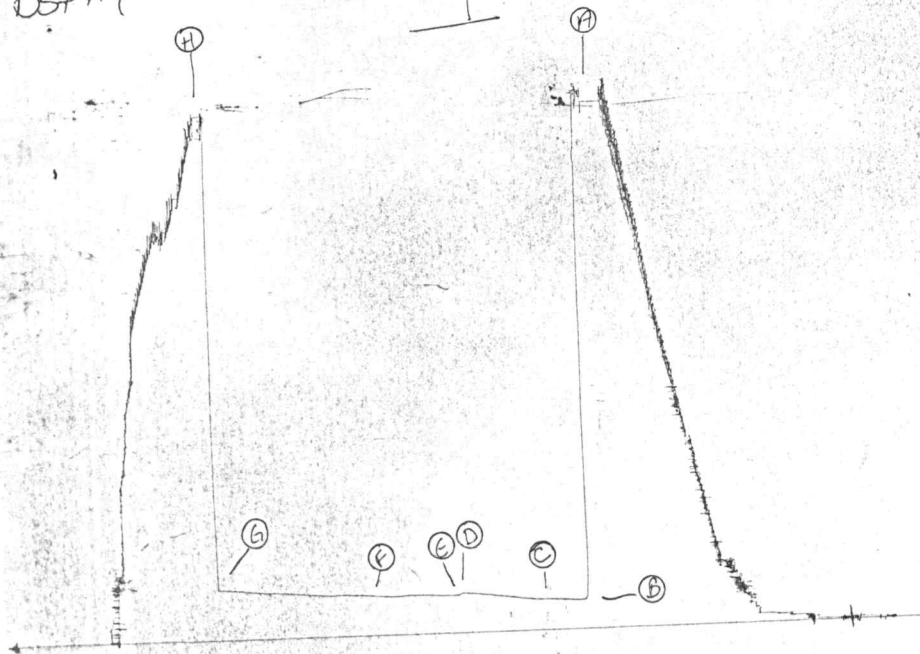
6233

DST #1

CK# 7826

15

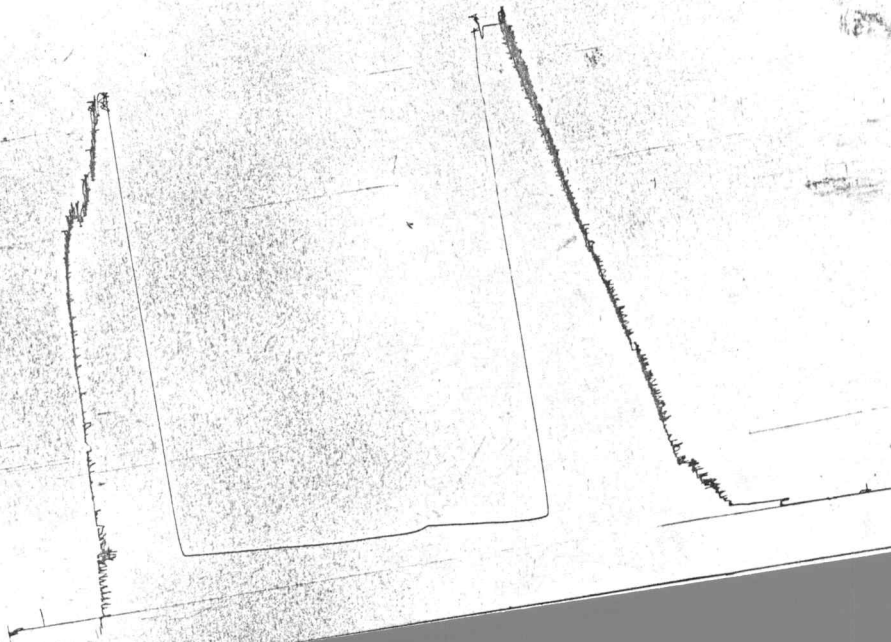
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13400
DS+1

15
tek# 7824

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7826

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 2799 G.R. Formation Atoka + Marrow Eff. Pay Ft.

COMPANY NAME Helmerich + Payne Inc.
ADDRESS Po Box 558 GARDEN CITY KS. 67846
LEASE AND WELL NO. Wessler 1-9 COUNTY Seward STATE KS Sec. 9 Twp. 32 Rge. 31W
Mail Invoice To #1-9 WESSLER SAME No. Copies Requested Reg
Co. Name SAME Address No. Copies Requested Reg
Mail Charts To Address

Formation Test No. 1 Interval Tested From 5501 ft. to 5582 ft. Total Depth 5582 ft.
Packer Depth 5496 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 5501 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 5573 ft. Recorder Number 6233 Cap. 4,000
Bottom Recorder Depth (Outside) 5576 ft. Recorder Number 13400 Cap. 3,950
Below Saddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Cheyenne Drilg Co Drill Collar Length 610 I. D. 2.2 in.
Mud Type Chemical Viscosity 45 Weight Pipe Length I. D. in.
Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 4859 I. D. 3.8 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 O.D. in.
Jars: Make Western Serial Number 414 Anchor Length 81 ft. Size 5 1/2 O.D. in.
Did Well Flow? No Reversed Out NO 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 X 4 in.

Blow: IEP STRONG Increasing blow to 10" in bucket
FFP Weak decreasing blow to 1/2 to 1/4 in. in bucket.

Recovered 260 ft. of Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides 3,000 P.P.M. Sample Jars used 3 Remarks:

RECEIVED
NOV 9 1984

Time On Location 1:30 A.M. Time Pick Up Tool 7:00 A.M. Time Off Location 6:00 A.M.
Time Set Packer(s) 9:55 P.M. Time Started Off Bottom 2:25 A.M. Maximum Temperature 125 P.M.
Initial Hydrostatic Pressure (A) 2726 P.S.I.
Initial Flow Period Minutes 30 (B) 142 P.S.I. to (C) 152 P.S.I.
Initial Closed In Period Minutes 60 (D) 203 P.S.I.
Final Flow Period Minutes 60 (E) 182 P.S.I. to (F) 203 P.S.I.
Final Closed In Period Minutes 120 (G) 243 P.S.I.
Final Hydrostatic Pressure (H) 2676 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: [Signature] Signature of Customer or his authorized representative

Western Representative

Mike Schubert 1940
Thank you!

FIELD INVOICE

Open Hole Test \$ 650.00
Misrun \$
Straddle Test \$ 300.00
Jars \$
Selective Zone \$ 65.00
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$ 300.00
Extra Charts \$ 50.00
Insurance \$ 50.00
Telecopier \$
TOTAL \$ 1365.00
1415.00



Fluid Sample Report

Date Nov 26 1984 Ticket No. 1826
Company Helmerich & Payne
Well Name & No. Wessler # 1-9 DST No. 1
County Seward State Kansas
Sampler No. _____ Test Interval 5501- 5582

Pressure in Sampler 160 PSIG BHT 125 OF

Total Volume of Sampler 3150 cc.
Total Volume of Sample: 2950 cc.
Oil: _____ cc.
Water: _____ cc.
Mud: 2950 cc.
Gas: _____ cu. ft.
Other: _____

~~mud~~
Water: 1.8 @ 65° Resistivity 8.000 of Chloride Content ppm.

Mud Pit Sample 1.5 @ 65° of Chloride Content 3.000 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ OF

Where was sample drained Dodge City Shop

Remarks: _____

WESTERN TESTING CO., INC.

Pressure Data

Date: 11-26-84 Test Ticket No. 7826

Recorder No. 6233 Capacity 4000 Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2705</u> (2700) P.S.I.		
B First Initial Flow Pressure	<u>145</u> P.S.I.		
C First Final Flow Pressure	<u>155</u> P.S.I.		
D Initial Closed-in Pressure	<u>201</u> P.S.I.		
E Second Initial Flow Pressure	<u>193</u> P.S.I.		
F Second Final Flow Pressure	<u>203</u> P.S.I.		
G Final Closed-in Pressure	<u>261</u> P.S.I.		
H Final Hydrostatic Mud	<u>2690</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>40</u> 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>145</u>	0	<u>155</u>	0	<u>193</u>	0	<u>203</u>
P 2 5	<u>144</u>	3	<u>156</u>	5	<u>1</u>	3	<u>203</u>
P 3 10	<u>147</u>	6	<u>157</u>	10	<u>1</u>	6	<u>204</u>
P 4 15	<u>148</u>	9	<u>158</u>	15	<u>193</u>	9	<u>205</u>
P 5 20	<u>150</u>	12	<u>159</u>	20	<u>194</u>	12	<u>206</u>
P 6 25	<u>152</u>	15	<u>161</u>	25	<u>195</u>	15	<u>207</u>
P 7 30	<u>155</u>	18	<u>164</u>	30	<u>196</u>	18	<u>208</u>
P 8 35		21	<u>167</u>	35	<u>197</u>	21	<u>209</u>
P 9 40		24	<u>170</u>	40	<u>198</u>	24	<u>210</u>
P10 45		27	<u>173</u>	45	<u>199</u>	27	<u>211</u>
P11 50		30	<u>174</u>	50	<u>200</u>	30	<u>212</u>
P12 55		33	<u>179</u>	55	<u>201</u>	33	<u>213</u>
P13 60		36	<u>182</u>	60	<u>203</u>	36	<u>214</u>
P14		39	<u>185</u>	65		39	<u>215</u>
P15		42	<u>188</u>	70		42	<u>216</u>
P16		45	<u>191</u>	75		45	<u>217</u>
P17		48	<u>193</u>	80		48	<u>218</u>
P18		51	<u>195</u>	85		51	<u>220</u>
P19		54	<u>197</u>	90		54	<u>222</u>
P20		57	<u>199</u>			57	<u>224</u>
		60	<u>201</u>			60	<u>226</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	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 _____	P.S.I.			

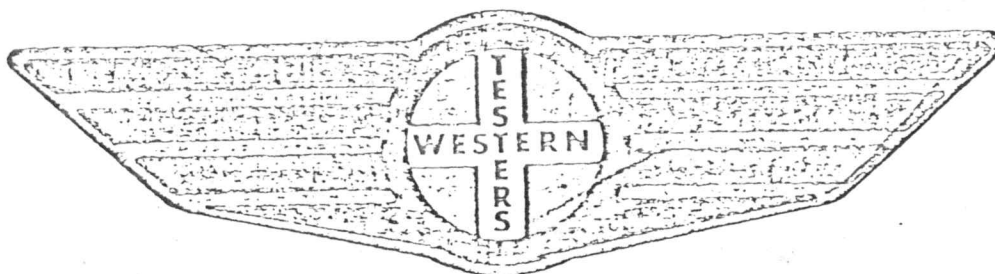
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 _____	_____	63 _____	_____	_____	_____	63 _____	228
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	230
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	232
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	234
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	234
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	238
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	240
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	242
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	244
P10 _____	_____	90 _____	_____	_____	_____	90 _____	246
P11 _____	_____	93 _____	_____	_____	_____	93 _____	248
P12 _____	_____	96 _____	_____	_____	_____	96 _____	250
P13 _____	_____	99 _____	_____	_____	_____	99 _____	252
P14 _____	_____	102 _____	_____	_____	_____	102 _____	254
P15 _____	_____	105 _____	_____	_____	_____	105 _____	256
P16 _____	_____	108 _____	_____	_____	_____	108 _____	258
P17 _____	_____	111 _____	_____	_____	_____	111 _____	259
P18 _____	_____	114 _____	_____	_____	_____	114 _____	260
P19 _____	_____	117 _____	_____	_____	_____	117 _____	261
P20 _____	_____	120 _____	_____	_____	_____	120 _____	_____

FORMATION

TEST

REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/28/84
CUSTOMER: HELMERICH & PAYNE INC.
WELL: 1-9 TEST: 2
ELEVATION (KB): 2804 FORMATION: ST. LOUIS
SECTION: 9 TOWNSHIP: 32S
RANGE: 31W COUNTY: SEWARD STATE: KANSAS
GAUGE SN #6233 RANGE: 4000 CLOCK: 12

TICKET #7827

LEASE: WESSLER

GEOLOGIST: DOWNY ?

FORMATION: ST. LOUIS

TOWNSHIP: 32S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 5883 FT TO: 5921 FT TOTAL DEPTH: 5921 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 5878 FT SIZE: 6 3/4 IN PACKER DEPTH: 5883 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CHEYENNE DRLG
MUD TYPE: CHEMICAL VISCOSITY: 48
WEIGHT: 9.2 WATER LOSS (CC): 8.6
CHLORIDES (P.P.M.): 3200-NITR .45
JARS - MAKE: WTC SERIAL NUMBER: 414
DID WELL FLOW? NO REVERSED OUT?

DRILL COLLAR LENGTH: 610 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 5241 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 32 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 38 FT SIZE: 5 1/2 OD 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 VERY STRONG BLOW INCREASING
TO BOTTOM OF BUCKET IN 1 MINUTE.
GAS TO SURFACE ON THE INITIAL SHUT-IN.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 150 FT OF: MUD WITH SCUM OF OIL.
RECOVERED: 120 FT OF: OIL CUT WATERY MUD.
RECOVERED: FT OF: (10% OIL; 10% WATER; 80% MUD).
RECOVERED: 300 FT OF: SLIGHTLY OIL CUT WATER.
RECOVERED: FT OF: (1% OIL; 99% WATER).
RECOVERED: FT OF: CHLORIDES 99000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:45 AM

TIME STARTED OFF BOTTOM: 1:15 PM

WELL TEMPERATURE: 138 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 123

FINAL HYDROSTATIC PRESSURE

(A) 2910 PSI

(B) 105 PSI TO (C) 148 PSI

(D) 1824 PSI

(E) 106 PSI TO (F) 237 PSI

(G) 1828 PSI

(H) 2898 PSI

WESTERN TESTING CO. INC.

PRESSURE DATA

DATE: 11/28/84

CUSTOMER: HELMERICH & PAYNE INC.

TEST: 2

FORMATION: ST. LOUIS

TOWNSHIP: 32S

COUNTY: SEWARD

RANGE: 4000

TICKET #7827

LEASE: WESSLER

GEOLOGIST: DOWNY ?

ST. LOUIS

325

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2910 PSI

(B) FIRST INITIAL FLOW PRESSURE: 105 PSI

(C) FIRST FINAL FLOW PRESSURE: 148 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1824 PSI

(E) SECOND INITIAL FLOW PRESSURE: 106 PSI

(F) SECOND FINAL FLOW PRESSURE: 237 PSI

(G) FINAL CLOSED-IN PRESSURE: 1828 PSI

(H) FINAL HYDROSTATIC PRESSURE: 2898 PSI

WELL TEMPERATURE: 138 °F

OPEN TOOL: 8:45 AM

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 60 MIN 60 MIN

SECOND FLOW PRESSURE: 60 MIN 60 MIN

FINAL CLOSED-IN PRESSURE: 120 MIN 123 MIN

PRESSURE BREAKDOWN

[illegible]

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 11/28/84
CUSTOMER: HELMERICH & PAYNE INC.
WELL: 1-9 TEST: 2
ELEVATION (KB): 2804 FORMATION: ST. LOUIS
SECTION: 9 TOWNSHIP: 32S
RANGE: 31W COUNTY: SEWARD STATE: KANSAS
GAUGE SN #6233 RANGE: 4000 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	-----------------	-------------------	------------------

PRE FLOW

SECOND FLOW

5	MERLA	1/8	4.0 PSIG	5640 CFPD
10			13	11000
20			20	14600
30			33	20300
40			45	25400
50			50	27600
55			50	27600

GAS BOTTLE SN #: 17055
DATE BOTTLE FILLED: 11/28/84
DATE TO BE INVOICED:

Phone (316) 793-7903



P. O. Box 793 - Great Bend, Kansas

Fluid Sample Report

Date 11/28/84 Ticket No. 7827
Company HELMERICH & PAYNE, INC.
Well Name & No. #1-9 WESSLER DST No. 2
County SEWARD State KANSAS
Sampler No. _____ Test Interval 5883 - 5921

Pressure in Sampler N/A PSIG BHT 138 OF

Total Volume of Sampler _____ cc.
Total Volume of Sample: 1100 cc.
Oil: slight scum cc.
Water: 1,045 cc.
Mud: 55 cc.
Gas: 1.0 cu. ft.
Other: _____

Resistivity

Water: .12 @ 64° of Chloride Content 99,000 ppm.

Mud Pit Sample 1.5 @ 64° of Chloride Content 3,200 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ OF

Where was sample drained Dodge City, Kansas Shop _____

Remarks: Could not measure pressure in sampler.

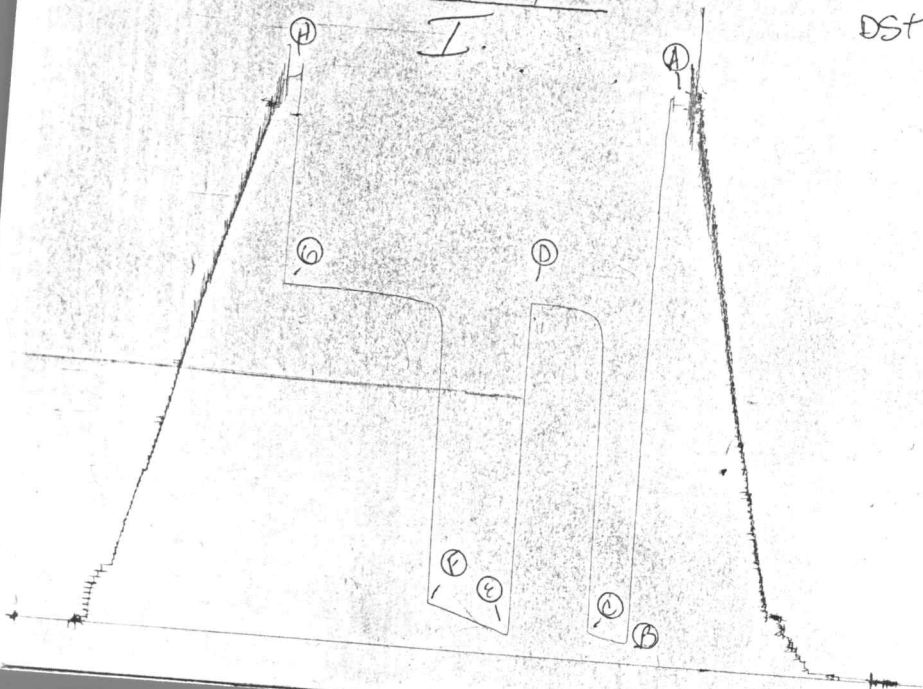
Not enough oil to check gravity or measure.

KT # 7827

I.

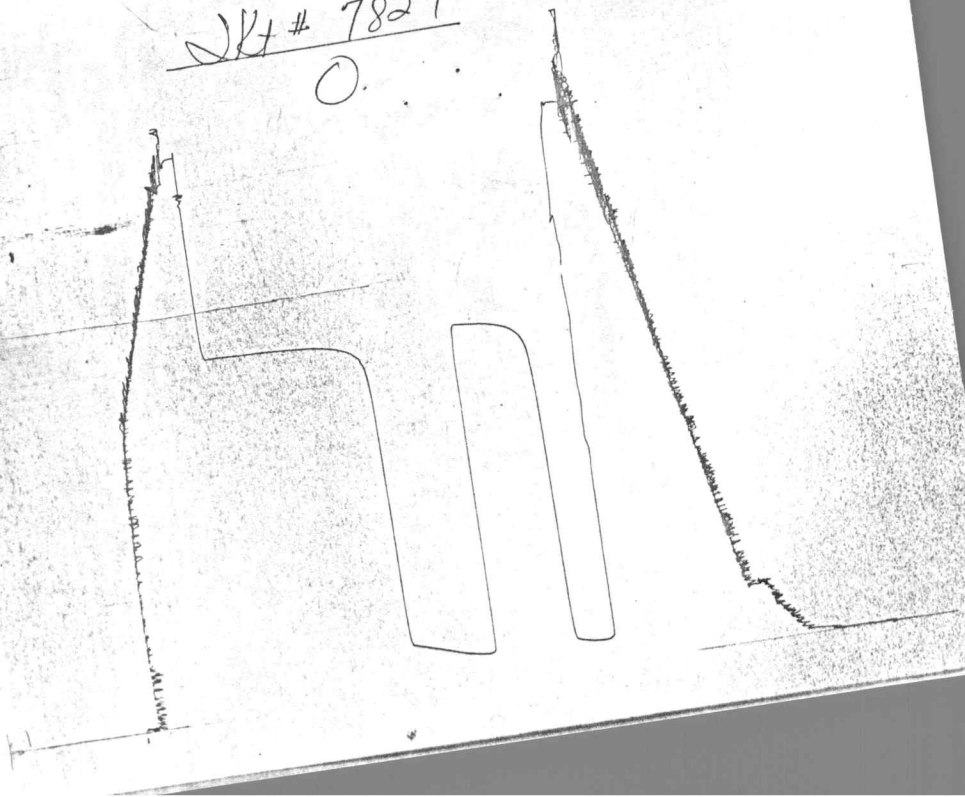
6233

Dst # 2



13400
DST #2

SKT # 7827
O.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No. 7827

P. O. BOX 1599
WICHITA, KANSAS 67201

Elevation 2799 G.R. Formation St. Louis Eff. Pay Ft.

District Dodge City Date 11-28-84 Customer Order No.

COMPANY NAME H090 Helmerich & Payne Inc. 1579 E 21st Street

ADDRESS P.O. Box 558 GARDEN CITY KS 67846 Tulsa OK 74114

LEASE AND WELL NO. Wessler 1-9 COUNTY Seward STATE Ks Sec. 9 Twp. 32 Rge. 31

Mail Invoice To SAME No. Copies Requested Reg 15

Mail Charts To #1-9 WESSLER SAME Address See Dist No. Copies Requested Reg 15

Formation Test No. 2 Interval Tested From 5883 ft. to 5921 ft. Total Depth 5921 ft.

Packer Depth 5878 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5883 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5905 ft. Recorder Number 6233 Cap. 4,000

Bottom Recorder Depth (Outside) 5908 ft. Recorder Number 13400 Cap. 3,950

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Cheyenne Drilling Co. Drill Collar Length 610 I. D. 2.2 in.

Mud Type Chemical Viscosity 48 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 8.6 cc. Drill Pipe Length 5241 I. D. 3.8 in.

Chlorides 3,200 NITRATES .45 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 O.D. in.

Jars: Make Western Serial Number 414 Anchor Length 38 ft. Size 5 1/2 O.D. in.

Did Well Flow? NO 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: IFP: VERY Strong Blow increasing to bottom of bucket in 1 min

FFP

Recovered 150 ft. of Mud with Scum of oil

Recovered 120 ft. of oil cut w/ry mud 10% oil 10% water 80% mud

Recovered 300 ft. of slightly oil cut water 1% oil 99% water

Recovered ft. of

Recovered ft. of

Chlorides 99,000 P.P.M. Sample Jars used 5 Remarks: Initial Shut in GAS to Surface

Time On Location 4:00 A.M. Time Pick Up Tool 5:30 P.M. Time Off Location 5:00 A.M.

Time Set Packer(s) 8:45 A.M. Time Started Off Bottom 1:15 P.M. Maximum Temperature 138

Initial Hydrostatic Pressure (A) 2907 P.S.I.

Initial Flow Period Minutes 30 (B) 101 P.S.I. to (C) 142 P.S.I.

Initial Closed In Period Minutes 60 (D) 1819 P.S.I.

Final Flow Period Minutes 60 (E) 111 P.S.I. to (F) 233 P.S.I.

Final Closed In Period Minutes 120 (G) 1819 P.S.I.

Final Hydrostatic Pressure (H) 2897 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 Ala Downing

Signature of Customer or his authorized representative

Western Representative Mike Shufert

Thank you!!

FIELD INVOICE

Open Hole Test \$ ✓650
Misrun \$
Straddle Test \$
Jars \$ 300
Selective Zone \$
Safety Joint \$ ✓65
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$ ✓300
Extra Charts 10 \$ ✓50
Insurance \$
Telecopier \$
TOTAL \$ ✓

Phone 316 262-5861



P. O. Box 1599

WICHITA, KANSAS 67201

No 2996

GAS FLOW REPORT

Date 11-28-84 Ticket 7827 Company Helmerich + Payne
 Well Name and No. Wessler 1-9 Dst No. 2 Interval Tested 5883 - 5921
 County Seward State KANSAS Sec. 9 Twp. 31 Rg. 32

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
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PRE FLOW

SECOND FLOW Gas to surface initial shut in

5 min	4	1/8"			5640 CFPD
10	13	1/8"			11,000 CFPD
20	20	1/8"			14,600 CFPD
30	33	1/8"			20,300 CFPD
40	45	1/8"			25,400 CFPD
50	50	1/8"			27,600 CFPD
55	50	1/8"			27,600 CFPD

GAS BOTTLE

Serial No. 17055 Date Bottle Filled 11-28-84 Date to be Invoiced 12-28-84

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 Helmerich + Payne
 Authorized by Alan Downing



Fluid Sample Report

Date NOV. 28, 1984 Ticket No. 7827
Company Helmerich & Payne
Well Name & No. Wesster 1-9 DST No. 2
County Seward State KANSAS
Sampler No. _____ Test Interval 5883 - 5921

Pressure in Sampler N/A PSIG BHT 138 OF

Total Volume of Sampler _____ cc.

Total Volume of Sample: 1100 _____ cc.

Oil: Slight Scum _____ cc.

Water: 1,045 _____ cc.

Mud: 55 _____ cc.

Gas: 1.0 _____ cu. ft.

Other: _____

Resistivity

Water: .12 @ 64° of Chloride Content 99,000 ppm.

Mud Pit Sample 1.5 @ 64° of Chloride Content ~~99,000~~ 3,200 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ OF

Where was sample drained Dodge City KANSAS SHOP

Remarks: Could Not Measure Pressure in Sampler

Not Enough oil to check Gravity or measure.

WESTERN TESTING CO., INC.

Pressure Data

Date: 11-28-84 Test Ticket No. 7827
 Recorder No. 6233 Capacity 4000 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2910</u> P.S.I.			
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	<u>30</u> Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	<u>60</u> Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>2898</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 7 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 13 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 43 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	105	0	148	0	106	0	237
P 2 5	105	3	980	5	110	3	1204
P 3 10	114	6	1512	10	126	6	1700
P 4 15	120	9	1712	15	138	9	1754
P 5 20	126	12	1760	20	148	12	1773
P 6 25	134	15	1780	25	1456	15	1784
P 7 30	148	18	1792	30	173	18	1788
P 8 35		21	1800	35	185	21	1792
P 9 40		24	1808	40	197	24	1795
P10 45		27	1812	45	207	27	1798
P11 50		30	1814	50	217	30	1801
P12 55		33	1816	55	227	33	1804
P13 60		36	1818	60	237	36	1807
P14		39	1820	65		39	1810
P15		42	1822	70		42	1812
P16		45	1824	75		45	1814
P17		48		80		48	1816
P18		51		85		51	1818
P19		54		90		54	1820
P20		57				57	1821
		60	1824			60	1822

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 7827

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	_____	_____	_____
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 _____	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 _____	_____	63 _____	_____	_____	_____	63 _____	1823
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	1823
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	1824
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	1824
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	1825
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	1825
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	1826
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	1826
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	1827
P10 _____	_____	90 _____	_____	_____	_____	90 _____	1827
P11 _____	_____	93 _____	_____	_____	_____	93 _____	1827
P12 _____	_____	96 _____	_____	_____	_____	96 _____	1828
P13 _____	_____	99 _____	_____	_____	_____	99 _____	1
P14 _____	_____	102 _____	_____	_____	_____	102 _____	1828
P15 _____	_____	105 _____	_____	_____	_____	105 _____	1828
P16 _____	_____	108 _____	_____	_____	_____	108 _____	
P17 _____	_____	111 _____	_____	_____	_____	111 _____	
P18 _____	_____	114 _____	_____	_____	_____	114 _____	
P19 _____	_____	117 _____	_____	_____	_____	117 _____	
P20 _____	_____	120 _____	_____	_____	_____	120 _____	
		1				123	1828