



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 16164

Elevation 1630 Gb Formation Miss Eff. Pay Ft.

District Pratt Date 9-28-93 Customer Order No.

COMPANY NAME Enron Oil & Gas Corp

ADDRESS 20 North Broadway #850 Oklahoma City, OK 73102

LEASE AND WELL NO. Foster 241 630 COUNTY Reno STATE KANSAS Sec. 24 Twp. 24s Rge. 8w

Mail Invoice To Same H1 Foster 24 No. Copies Requested 89

Mail Charts To Same Address No. Copies Requested 89

Formation Test No. 1 Interval Tested From 3675 ft. to 3810 ft. Total Depth 3930 ft.

Packer Depth 3670 ft. Size 6 5/8 in. Packer Depth 3810 ft. Size 6 5/8 in.

Packer Depth 3675 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3680 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3683 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number 13362 Cap. 4450

Drilling Contractor Duke Reg 2 Drill Collar Length — I. D. — in.

Mud Type Chem Viscosity 70 Weight Pipe Length — I. D. — in.

Weight 7.5 Water Loss 12.0 cc. Drill Pipe Length 3643 I. D. 3.8 in.

Chlorides 16,000 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 411 Anchor Length 135 ft. Size 4 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 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow in 3 minutes on both initial & final flows

Recovered 180 ft. of Gas in Pipe

Recovered — ft. of

Recovered 665 ft. of gas cut mud - 10% gas 90% mud 73,000 PPM

Recovered — ft. of

Recovered 300 ft. of gas & water cut mud 20% gas 30% water 50% mud

Chlorides — P.P.M. Sample Jars used — Remarks: 120 ft. of tool pipe

Time On Location 12:30 A.M. Time Pick Up Tool 2:30 A.M. Time Off Location 10:00 A.M.

Time Set Packer(s) 3:50 A.M. Time Started Off Bottom 6:05 A.M. Maximum Temperature 121 °F

Initial Hydrostatic Pressure (A) 1867 P.S.I.

Initial Flow Period Minutes 15 (B) 215 P.S.I. to (C) 215 P.S.I.

Initial Closed In Period Minutes 30 (D) 889 P.S.I.

Final Flow Period Minutes 30 (E) 322 P.S.I. to (F) 430 P.S.I.

Final Closed In Period Minutes 60 (G) 910 P.S.I.

Final Hydrostatic Pressure (H) 1813 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 Sam Hummel
Signature of Customer or his authorized representative

Western Representative Ted Irwin Thank you

FIELD INVOICE

Open Hole Test \$ 600
Misrun \$
Straddle Test \$ 250
Jars \$ 350
Selective Zone \$
Safety Joint \$ 25
Standby \$
Evaluation \$
Extra Packer \$ 150
Circ. Sub. \$
Mileage \$
Fluid Sampler \$ 200
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$



Fluid Sample Report

Date 9-28-73 Ticket No. 16164
 Company Enron Oil & Gas Co
 Well Name & No. Faster 24-1 DST No. 1
 County Reno State KANSAS
 Sampler No. 1 Test Interval 3675-3810

Pressure in Sampler _____ PSIG BHT 121 _____ OF

Total Volume of Sampler 3100 cc.
 Total Volume of Sample: 2800 cc.
 Oil: 0 cc.
 Water: 1000 (73,000 PPM) cc.
 Mud: 1500 cc.
 Gas: 300 cu. ft.
 Other: 0

Resistivity

Water: _____ @ _____ of Chloride Content 73,000 ppm.

Mud Pit Sample _____ @ _____ of Chloride Content _____ ppm.

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

Where was sample drained _____

Remarks: _____

WESTERN TESTING CO., INC.

Pressure Data

Date 9-28-92

Test Ticket No. 16164

Recorder No. 1051

Capacity _____ Location _____ Ft.

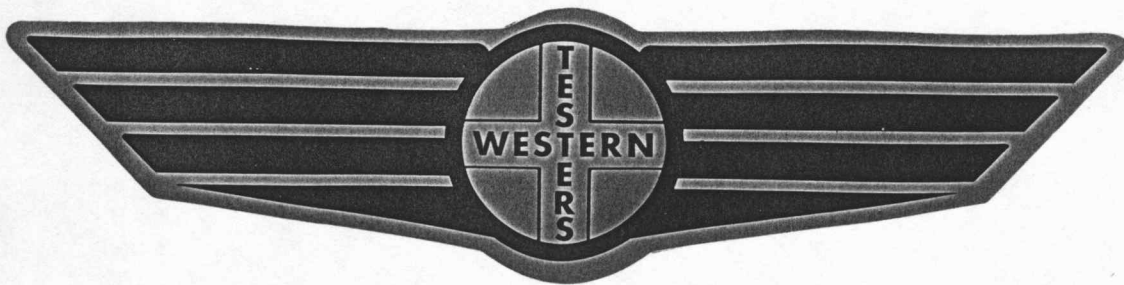
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1886</u> P.S.I.		M
B First Initial Flow Pressure	P.S.I.	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.	Mins.	Mins.
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	<u>1801</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>254</u>	0	<u>256</u>	0	<u>255</u>	0	<u>255</u>
P 2 5	<u>224</u>	3	<u>574</u>	5	<u>336</u>	3	<u>674</u>
P 3 10	<u>222</u>	6	<u>712</u>	10	<u>336</u>	6	<u>743</u>
P 4 15	<u>256</u>	9	<u>768</u>	15	<u>341</u>	9	<u>225</u>
P 5 20		12	<u>798</u>	20	<u>265</u>	12	<u>806</u>
P 6 25		15	<u>824</u>	25	<u>387</u>	15	<u>830</u>
P 7 30		18	<u>844</u>	30	<u>422</u>	18	<u>842</u>
P 8 35		21	<u>861</u>	35		21	<u>854</u>
P 9 40		24	<u>869</u>	40		24	<u>861</u>
P10 45		27	<u>875</u>	45		27	<u>867</u>
P11 50		30	<u>881</u>	50		30	<u>874</u>
P12 55		33	<u>884</u>	55		33	<u>880</u>
P13 60		36		60		36	<u>884</u>
P14 65		39		65		39	<u>886</u>
P15 70		42		70		42	<u>889</u>
P16 75		45		75		45	<u>891</u>
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	<u>891</u>
P20 95		57		95		57	<u>895</u>
100		60		100		60	<u>897</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

COMPANY ENRON OIL & GAS
LEASE & WELL NO. #1 FOSTER 24
SEC. 24 TWP. 24S RGE. 8W
TEST NO. 1
DATE 9/28/93

DST REPORT

GENERAL INFORMATION

DATE	: 9/28/93	TICKET	: 16164
CUSTOMER	: ENRON OIL & GAS	LEASE	: FOSTER 24
WELL	: #1	TEST:	1
ELEVATION	: 1630 GL	GEOLOGIST	: HUMMEL
SECTION	: 24	FORMATION	: MISSISSIPPI
RANGE	: 8W	TOWNSHIP	: 24S
Gauge SN#	: 1051	STATE	: KS
COUNTY	: RENO	CLOCK	: 12
RANGE	: 4250		

WELL INFORMATION

PERFORATION INTERVAL FROM:	3675.00 ft	TO:	3810.00 ft	TVD:	3930.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3680.0 ft		3683.0 ft		
TEMPERATURE:	121.0				
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 :	3643.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	135.0 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:	3670.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3675.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3810.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE RIG 2	VISCOSITY :	70.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.000 cc
WEIGHT :	9.500 ppg		
CHLORIDES :	16000 ppm	SERIAL NUMBER:	411
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG BLOW IN 3 MINUTES ON BOTH FLOW PERIODS.
120 FT OF TAILPIPE

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	180 FT GAS ABOVE FLUID
665.0	0.0	10.0	0.0	90.0	GAS CUT MUD
300.0	0.0	20.0	30.0	50.0	GAS & WATER CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 73000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	45.0000	min.
GAS VOLUME:	9.9629	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	10.4987	STB	AVERAGE WATER RATE:	107.7224	STB/D
WATER VOLUME:	1.2624	STB			
TOTAL FLUID :	11.7611	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1867.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	215.00	215.00
INITIAL SHUT-IN	30.00		889.00
FINAL FLOW	30.00	322.00	430.00
FINAL SHUT-IN	60.00		910.00

FINAL HYDROSTATIC PRESSURE: 1813.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1886.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	234.00	226.00
INITIAL SHUT-IN	33.00		884.00
FINAL FLOW	30.00	345.00	423.00
FINAL SHUT-IN	60.00		897.00

FINAL HYDROSTATIC PRESSURE: 1801.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9/28/93	TICKET : 16164
CUSTOMER : ENRON OIL & GAS	LEASE : FOSTER 24
WELL : #1	GEOLOGIST: HUMMEL
ELEVATION: 1630 GL	FORMATION: MISSISSIPPI
SECTION : 24	TOWNSHIP : 24S
RANGE : 8W	STATE : KS
GAUGE SN#: 1051	CLOCK : 12
COUNTY: RENO	
RANGE : 4250	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	234.00	234.00
5.00	224.00	-10.00
10.00	223.00	-1.00
15.00	226.00	3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	574.00	574.00	0.00
6.00	712.00	138.00	0.00
9.00	768.00	56.00	0.00
12.00	798.00	30.00	0.00
15.00	824.00	26.00	0.00
18.00	844.00	20.00	0.00
21.00	861.00	17.00	0.00
24.00	869.00	8.00	0.00
27.00	875.00	6.00	0.00
30.00	881.00	6.00	0.00
33.00	884.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	345.00	345.00
5.00	336.00	-9.00
10.00	336.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
15.00	341.00	5.00
20.00	365.00	24.00
25.00	387.00	22.00
30.00	423.00	36.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	674.00	674.00	0.00
6.00	743.00	69.00	0.00
9.00	775.00	32.00	0.00
12.00	806.00	31.00	0.00
15.00	830.00	24.00	0.00
18.00	842.00	12.00	0.00
21.00	854.00	12.00	0.00
24.00	861.00	7.00	0.00
27.00	867.00	6.00	0.00
30.00	874.00	7.00	0.00
33.00	880.00	6.00	0.00
36.00	884.00	4.00	0.00
39.00	886.00	2.00	0.00
42.00	889.00	3.00	0.00
45.00	891.00	2.00	0.00
48.00	891.00	0.00	0.00
51.00	891.00	0.00	0.00
54.00	891.00	0.00	0.00
57.00	895.00	4.00	0.00
60.00	897.00	2.00	0.00

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 9/28/93	TICKET	: 16164
CUSTOMER	: ENRON OIL & GAS	LEASE	: FOSTER 24
WELL	: #1	TEST:	1
ELEVATION	: 1630 GL	GEOLOGIST	: HUMMEL
SECTION	: 24	FORMATION	: MISSISSIPPI
RANGE	: 8W	TOWNSHIP	: 24S
GAUGE SN#	: 1051	STATE	: KS
		CLOCK	: 12
		COUNTY	: RENO
		RANGE	: 4250

SAMPLE INFORMATION

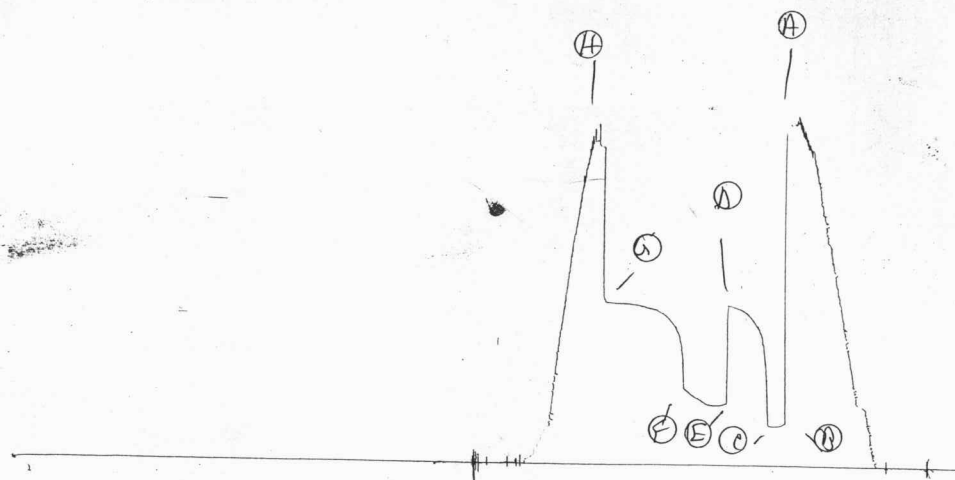
PRESSURE IN SAMPLER:	0.00 PSIG	BHT:	121.0 DEG F
TOTAL VOLUME OF SAMPLER:	3100.00 cc		
TOTAL VOLUME OF SAMPLE:	2800.00 cc		
OIL:	0.00 cc		
WATER:	1000.00 cc		
MUD:	1500.00 cc		
GAS:	300.00 cc		
OTHER:	0.00 cc		

RESISTIVITY

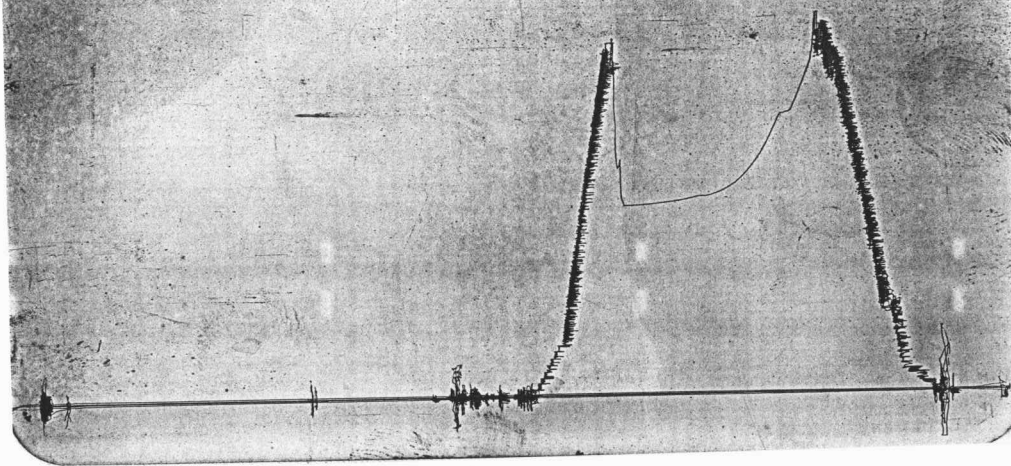
DRILLING MUD:	CHLORIDE CONTENT:	73000.00 ppm
MUD PIT SAMPLE:	CHLORIDE CONTENT:	0.00 ppm
GAS/OIL RATIO:	GRAVITY:	
WHERE WAS SAMPLE DRAINED:		
REMARKS:		

K

K+16164
I



K+16164
Below Steadle



4332 OST #1

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