WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/20/83 TICKET #1751
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 1 GEOLOGIST: HART
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4354 FT TO: 4385 FT TOTAL DEPTH: 4385 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4349 FT SIZE: 6 3/4 IN PACKER DEPTH: 4354 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WMSON
MUD TYPE: CHEMICAL VISCOSITY: 44
WEIGHT: 9.4 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 14000
JARS - MAKE: WTC SERIAL NUMBER: 411
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	480	FT	I.D.: 2.2	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	3845	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	29	FT	TOOL SIZE: 5 1/2 OD	IN	
ANCHOR LENGTH:	31	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 WEAK BLOW
SLOWLY BUILDING TO STRONG.
FINAL FLOW PERIOD STRONG BLOW THROUGHOUT.
GAS TO SURFACE 55 MIN. TOO SMALL TO MEASURE.

RECOVERED:	65	FT	OF: GAS CUT MUD
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): 6:45 AM TIME STARTED OFF BOTTOM: 10:15 AM
WELL TEMPERATURE: 119 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2137	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 51	PSI TO (C) 51	PSI
INITIAL CLOSED IN PERIOD	MIN: 57	(D) 1174	PSI	
FINAL FLOW PERIOD	MIN: 55	(E) 56	PSI TO (F) 56	PSI
FINAL CLOSED IN PERIOD	MIN: 57	(G) 1285	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2110	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/20/83 TICKET #1751
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 1 GEOLOGIST: HART
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12.

(A) INITIAL HYDROSTATIC PRESSURE:	2137	PSI
(B) FIRST INITIAL FLOW PRESSURE:	51	PSI
(C) FIRST FINAL FLOW PRESSURE:	51	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1174	PSI
(E) SECOND INITIAL FLOW PRESSURE:	56	PSI
(F) SECOND FINAL FLOW PRESSURE:	56	PSI
(G) FINAL CLOSED-IN PRESSURE:	1285	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2110	PSI
WELL TEMPERATURE:	119	'F

OPEN TOOL: 6:45 AM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	57	MIN
SECOND FLOW PRESSURE:	60	MIN	55	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	57	MIN

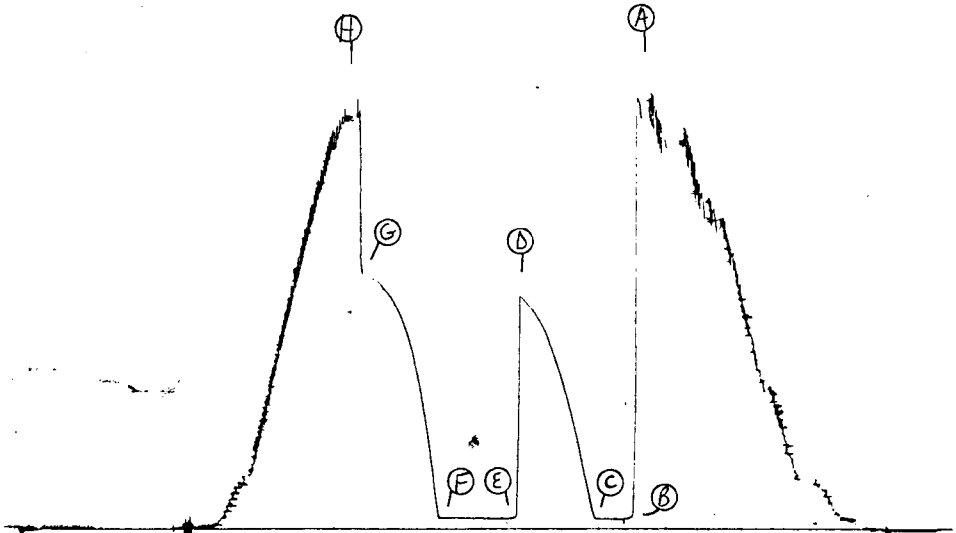
PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	51	0	51	0	56	0	56
2	5	51	3	120	5	56	3	189
3	10	51	6	206	10	56	6	337
4	15	51	9	293	15	56	9	476
5	20	51	12	384	20	56	12	597
6	25	51	15	470	25	56	15	708
7	30	51	18	551	30	56	18	798
8			21	626	35	56	21	885
9			24	702	40	56	24	957
10			27	768	45	56	27	1020
11			30	830	50	56	30	1075
12			33	881	55	56	33	1117
13			36	934			36	1152
14			39	992			39	1187
15			42	1032			42	1209
16			45	1068			45	1235
17			48	1102			48	1251
18			51	1125			51	1263
19			54	1145			54	1275
20			57	1174			57	1285
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13402
DST #1

IKT #1751

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/20/83 TICKET #1752
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 2 GEOLOGIST: HART
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4353 FT TO: 4390 FT TOTAL DEPTH: 4390 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4348 FT SIZE: 6 3/4 IN PACKER DEPTH: 4353 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WMSON
MUD TYPE: CHEMICAL VISCOSITY: 42
WEIGHT: 9.4 WATER LOSS (CC): 15.2
CHLORIDES (P.P.M.): 15000
JARS - MAKE: WTC SERIAL NUMBER: 411
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 480 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3844 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 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: STRONG BLOW.
GAS TO SURFACE IN 3 MINUTES ON
INITIAL FLOW PERIOD.
SEE ATTACHED GAS SHEET.

RECOVERED: 120 FT OF: GAS CUT MUD
RECOVERED: 30 FT OF: GAS CUT MUD - FEW OIL SPECKS
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): 9:45 PM TIME STARTED OFF BOTTOM: 1:45 AM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2151 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 121 PSI TO (C) 126 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1348 PSI
FINAL FLOW PERIOD MIN: 90 (E) 110 PSI TO (F) 110 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1346 PSI
FINAL HYDROSTATIC PRESSURE (H) 2121 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/20/83 TICKET #1752
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 2 GEOLOGIST: HART
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2151	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	121	PSI
(C)	FIRST FINAL FLOW PRESSURE:	126	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1348	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	110	PSI
(F)	SECOND FINAL FLOW PRESSURE:	110	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1346	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2121	PSI
WELL TEMPERATURE:		120	'F

OPEN TOOL: 9:45 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	25	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	90	MIN	90	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	60	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	121	0	126	0	110	0	110
2	5	121	3	1076	5	110	3	1267
3	10	122	6	1297	10	110	6	1314
4	15	123	9	1324	15	110	9	1325
5	20	124	12	1334	20	110	12	1331
6	25	126	15	1340	25	110	15	1334
7			18	1343	30	110	18	1336
8			21	1344	35	110	21	1337
9			24	1345	40	110	24	1338
10			27	1346	45	110	27	1339
11			30	1347	50	110	30	1340
12			33	1348	55	110	33	1341
13			36	1348	60	110	36	1342
14			39	1348	65	110	39	1343
15			42	1348	70	110	42	1344
16			45	1348	75	110	45	1345
17			48	1348	80	110	48	1346
18			51	1348	85	110	51	1346
19			54	1348	90	110	54	1346
20			57	1348			57	1346
21			60	1348			60	1346
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 7/20/83 TICKET #1752
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 2 GEOLOGIST: HART
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

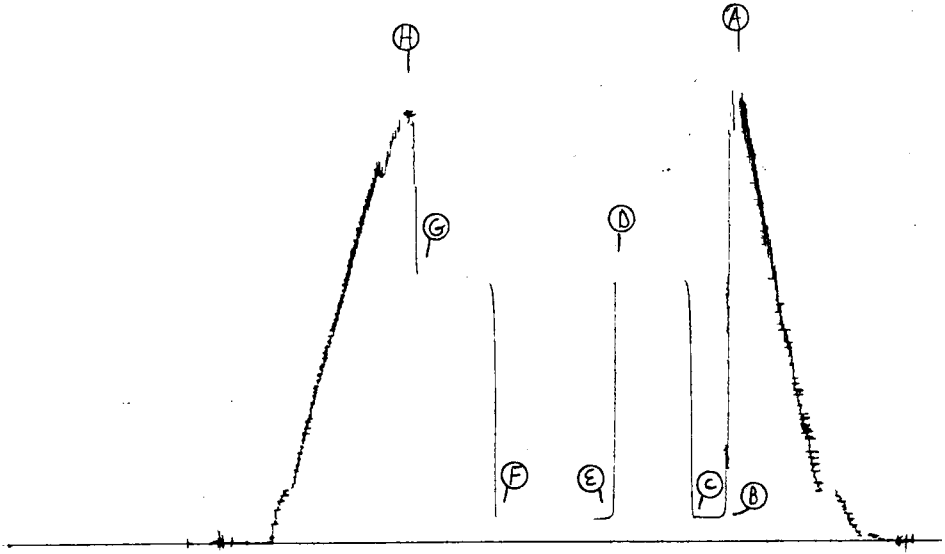
TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW	
3				GAS TO SURFACE
10	MERLA	1 1/4	4.0 PSIG	480000 CFPD
20		1 1/4	5.0 PSIG	542000 CFPD
30		1 1/4	5.0 PSIG	542000 CFPD
			SECOND FLOW	
10	MERLA	1 1/4	5.0 PSIG	542000 CFPD
20		1 1/4	5.0 PSIG	542000 CFPD
30		1 1/4	5.0 PSIG	542000 CFPD
40		1 1/4	5.0 PSIG	542000 CFPD
50		1 1/4	5.0 PSIG	542000 CFPD
60		1 1/4	5.0 PSIG	542000 CFPD
70		1 1/4	5.0 PSIG	542000 CFPD
80		1 1/4	5.0 PSIG	542000 CFPD
90		1 1/4	5.0 PSIG	542000 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 7/20/83

12402
DST #2

IKT # 1752

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/21/83 TICKET #1413
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 3 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4340 FT TO: 4395 FT TOTAL DEPTH: 4395 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4335 FT SIZE: 6 5/8 IN PACKER DEPTH: 4340 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WMSON
MUD TYPE: DRISPAC VISCOSITY: 42
WEIGHT: 9.4 WATER LOSS (CC): 15.2
CHLORIDES (P.P.M.): 15000
JARS - MAKE: WTC SERIAL NUMBER: 499
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	485	FT	I.D.: 2.2	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	3828	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	27	FT	TOOL SIZE: 4 1/2	IN	
ANCHOR LENGTH:	55	FT	SIZE: 5 1/2	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 BLOW. GAS TO SURFACE 5 MINUTES. SEE ATTACHED GAS SHEET. FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 1800 FT OF: GAS CUT MUD
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: MISRUN.
LOST 30 FT. MUD FIRST OPENING.
PACKERS FAILED IN 10 MINUTES ON SECOND OPENING.

TIME SET PACKER(S): 10:30 TIME STARTED OFF BOTTOM: 12:15
WELL TEMPERATURE: 112 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 2142	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 316	PSI TO (C) 388	PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1340	PSI	
FINAL FLOW PERIOD	MIN: 15	(E) 416	PSI TO (F) 886	PSI
FINAL CLOSED IN PERIOD	MIN: 0	(G) 0	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2072	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/21/83 TICKET #1413
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 3 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2142	PSI
(B) FIRST INITIAL FLOW PRESSURE:	316	PSI
(C) FIRST FINAL FLOW PRESSURE:	388	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1340	PSI
(E) SECOND INITIAL FLOW PRESSURE:	416	PSI
(F) SECOND FINAL FLOW PRESSURE:	886	PSI
(G) FINAL CLOSED-IN PRESSURE:	0	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2072	PSI
WELL TEMPERATURE:	112	'F

OPEN TOOL: 10:30

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:		MIN	15	MIN
FINAL CLOSED-IN PRESSURE:		MIN	0	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	316	0	388	0	416	0	0
2	5	331	3	1018	5	587		
3	10	455	6	1312	10	1083		
4	15	392	9	1336	15	886		
5	20	390	12	1338				
6	25	389	15	1339				
7	30	388	18	1340				
8			21	1340				
9			24	1340				
10			27	1340				
11			30	1340				
12			33	1340				
13			36	1340				
14			39	1340				
15			42	1340				
16			45	1340				
17			48	1340				
18			51	1340				
19			54	1340				
20			57	1340				
21			60	1340				
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

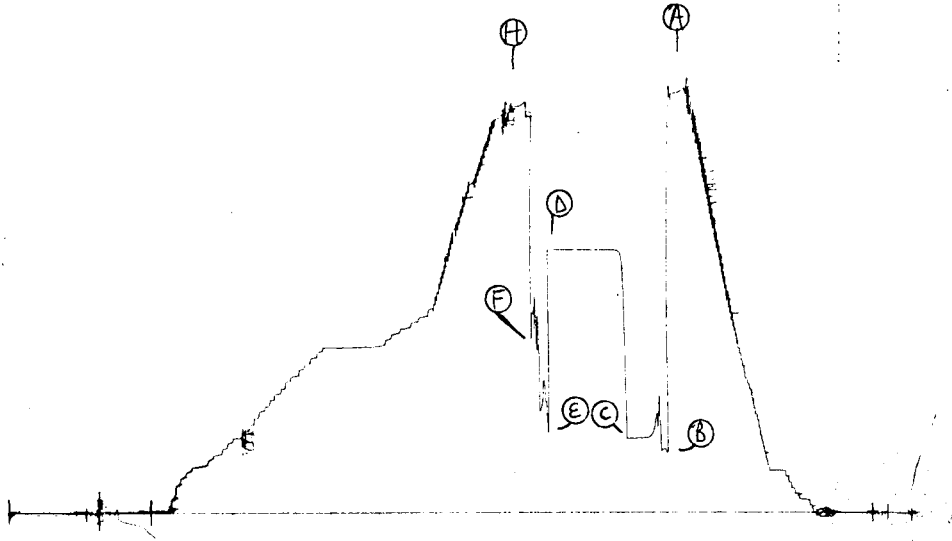
DATE: 7/21/83 TICKET #1413
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 3 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW	
5				GAS TO SURFACE
10	MERLA	1	7.0 PSIG	385000 CFPD
20		1	8.0 PSIG	415000 CFPD
			SECOND FLOW	

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 7/21/83

TKT # 1413

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/22/83 TICKET #1414
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 4 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4390 FT TO: 4405 FT TOTAL DEPTH: 4405 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4385 FT SIZE: 6 5/8 IN PACKER DEPTH: 4390 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WMSON
MUD TYPE: DRISPAC VISCOSITY: 42
WEIGHT: 9.9 WATER LOSS (CC): 15.2
CHLORIDES (P.P.M.): 17000
JARS - MAKE: WTC SERIAL NUMBER: 415
DID WELL FLOW? YES-WATER REVERSED OUT?

DRILL COLLAR LENGTH:	485 FT	I.D.:	2.2	IN	
WEIGHT PIPE LENGTH:	FT	I.D.:		IN	
DRILL PIPE LENGTH:	3878 FT	I.D.:	3.8	IN	
TEST TOOL LENGTH:	27 FT	TOOL SIZE:	4 1/2	IN	
ANCHOR LENGTH:	15 FT	SIZE:	5 1/2	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.
GAS TO SURFACE IN 2 MINUTES.
FINAL FLOW PERIOD VERY STRONG BLOW.
SEE ATTACHED GAS SHEET.

RECOVERED:	240 FT	OF:	SLIGHTLY OIL & GAS CUT MUDDY WATER
RECOVERED:	FT	OF:	5% MUD; 65% WATER; 5% OIL; 25% GAS
RECOVERED:	FT	OF:	CHLORIDES 101000 PPM
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	

REMARKS: FLOWED WATER 10 MINUTES INTO
SECOND OPENING.

TIME SET PACKER(S): 6:45 TIME STARTED OFF BOTTOM: 10:50
WELL TEMPERATURE: 121 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2142	PSI	
INITIAL FLOW PERIOD	MIN: 25	(B) 402	PSI TO (C) 406	PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1358	PSI	
FINAL FLOW PERIOD	MIN: 90	(E) 431	PSI TO (F) 392	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1337	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2128	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/22/83 TICKET #1414
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 4 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2142	PSI
(B) FIRST INITIAL FLOW PRESSURE:	402	PSI
(C) FIRST FINAL FLOW PRESSURE:	406	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1358	PSI
(E) SECOND INITIAL FLOW PRESSURE:	431	PSI
(F) SECOND FINAL FLOW PRESSURE:	392	PSI
(G) FINAL CLOSED-IN PRESSURE:	1337	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2128	PSI
WELL TEMPERATURE:	121	'F

OPEN TOOL: 6:45

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	25	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	90	MIN	90	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	60	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	402	0	406	0	431	0	392
2	5	402	3	1290	5	431	3	1216
3	10	403	6	1322	10	431	6	1242
4	15	405	9	1333	15	432	9	1260
5	20	406	12	1341	20	433	12	1275
6	25	406	15	1345	25	433	15	1287
7			18	1347	30	431	18	1295
8			21	1349	35	427	21	1302
9			24	1351	40	422	24	1307
10			27	1352	45	418	27	1312
11			30	1353	50	415	30	1316
12			33	1354	55	411	33	1319
13			36	1355	60	409	36	1322
14			39	1356	65	406	39	1325
15			42	1357	70	403	42	1327
16			45	1358	75	399	45	1329
17			48	1358	80	395	48	1331
18			51	1358	85	394	51	1333
19			54	1358	90	392	54	1335
20			57	1358			57	1336
21			60	1358			60	1337
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 7/22/83 TICKET #1414
CUSTOMER: RAINS & WMSON OIL CO. INC. LEASE: LIES
WELL: 1 TEST: 4 GEOLOGIST: HART
ELEVATION (KB): 1484 FORMATION: MISSISSIPPI
SECTION: 14 TOWNSHIP: 32S
RANGE: 10W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
		PRE FLOW		
2				GAS TO SURFACE
10	MERLA	1 1/2	19 PSIG	1887000 CFPD
20		1 1/2	23 PSIG	2140000 CFPD
30		1 1/2	25 PSIG	2258000 CFPD
		SECOND FLOW		
10	MERLA	1 1/2	25 PSIG	2258000 CFPD
20		1 1/2	25 PSIG	2258000 CFPD
30		1 1/2	25 PSIG	2258000 CFPD
40		1 1/2	25 PSIG	2258000 CFPD
50		1 1/2	25 PSIG	2258000 CFPD
60		1 1/2	25 PSIG	2258000 CFPD
70		1 1/2	25 PSIG	2258000 CFPD
80		1 1/2	25 PSIG	2258000 CFPD
90		1 1/2	25 PSIG	2258000 CFPD

GAS BOTTLE SN #: 80
DATE BOTTLE FILLED: 7/22/83
DATE TO BE INVOICED: 7/22/83

3659

IKT # 1414

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