WESTERN TESTING CO., INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/20/83 TICKET #19061
CUSTOMER: ATTICA GAS VENTURE CORP INC. LEASE: LEWIS
WELL: 1 TEST: 1 GEOLOGIST: ELDON SCHIERLING
ELEVATION (KB): 1308 FORMATION: STALNECKER
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3855 FT TO: 3921 FT TOTAL DEPTH: 3921 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3850 FT SIZE: 6 3/4 IN PACKER DEPTH: 3855 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: GABBERT & JONES
MUD TYPE: DRISPAC VISCOSITY: 46
WEIGHT: 9.2 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 14000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	341	FT	I.D.:	2 1/4	IN
WEIGHT PIPE LENGTH:		FT	I.D.:		IN
DRILL PIPE LENGTH:	3494	FT	I.D.:	3.8	IN
TEST TOOL LENGTH:	20	FT	TOOL SIZE:	5 1/2	IN
ANCHOR LENGTH:	66	FT	SIZE:	6.25+5.5	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 FH	IN

BLOW: STRONG BLOW.
GAS TO SURFACE IN 8 MINUTES.
SEE ATTACHED GAS SHEET.

RECOVERED: 170 FT OF: HEAVY 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): 3:00 PM TIME STARTED OFF BOTTOM: 5:45 PM
WELL TEMPERATURE: 118 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 2074	PSI	
INITIAL FLOW PERIOD	MIN: 25	(B) 96	PSI TO (C) 121	PSI
INITIAL CLOSED IN PERIOD	MIN: 48	(D) 1706	PSI	
FINAL FLOW PERIOD	MIN: 45	(E) 165	PSI TO (F) 178	PSI
FINAL CLOSED IN PERIOD	MIN: 48	(G) 1704	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1967	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6/20/83 TICKET #19061
CUSTOMER: ATTICA GAS VENTURE CORP INC. LEASE: LEWIS
WELL: 1 TEST: 1 GEOLOGIST: ELDON SCHIERLING
ELEVATION (KB): 1308 FORMATION: STALNECKER
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2074	PSI
(B) FIRST INITIAL FLOW PRESSURE:	96	PSI
(C) FIRST FINAL FLOW PRESSURE:	121	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1706	PSI
(E) SECOND INITIAL FLOW PRESSURE:	165	PSI
(F) SECOND FINAL FLOW PRESSURE:	178	PSI
(G) FINAL CLOSED-IN PRESSURE:	1704	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1967	PSI
WELL TEMPERATURE:	118	'F

OPEN TOOL: 3:00 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	25 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	48 MIN
SECOND FLOW PRESSURE:	45 MIN	45 MIN
FINAL CLOSED-IN PRESSURE:	45 MIN	48 MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	96	0	121	0	165	0	178
2	5	89	3	849	5	165	3	962
3	10	91	6	1515	10	165	6	1450
4	15	104	9	1622	15	166	9	1598
5	20	114	12	1665	20	170	12	1645
6	25	121	15	1682	25	172	15	1665
7			18	1688	30	174	18	1676
8			21	1694	35	176	21	1685
9			24	1697	40	178	24	1690
10			27	1699	45	178	27	1693
11			30	1701			30	1696
12			33	1702			33	1698
13			36	1703			36	1700
14			39	1704			39	1702
15			42	1705			42	1703
16			45	1706			45	1704
17			48	1706			48	1704
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 6/20/83 TICKET #19061
CUSTOMER: ATTICA GAS VENTURE CORP INC. LEASE: LEWIS
WELL: 1 TEST: 1 GEOLOGIST: ELDON SCHIERLING
ELEVATION (KB): 1308 FORMATION: STALNECKER
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

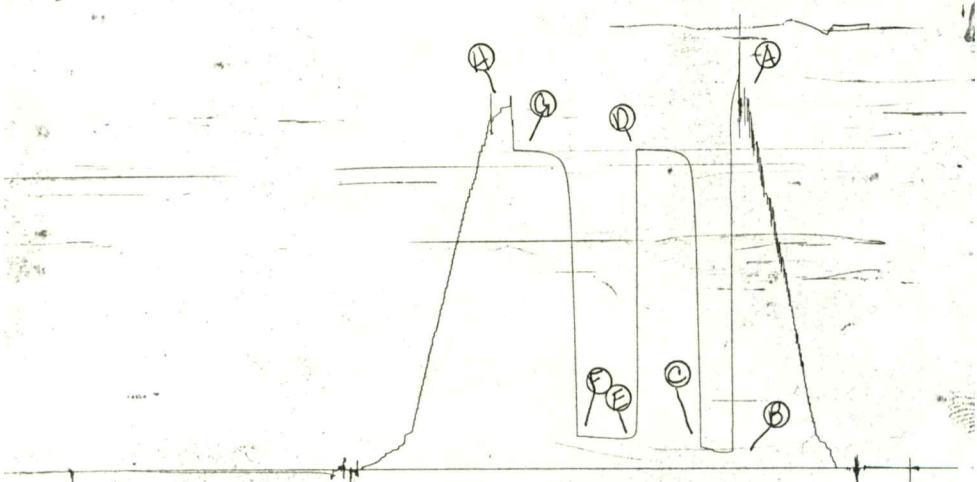
TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
		PRE FLOW		
8				GAS TO SURFACE
10	MERLA	1	1.5 PSIG	169000 CFPD
20		1	2.0 PSIG	195000 CFPD
30		1	2.0 PSIG	195000 CFPD
		SECOND FLOW		
10	MERLA	3/4	20 PSIG	398000 CFPD
20		3/4	20 PSIG	398000 CFPD
30		3/4	20 PSIG	398000 CFPD
40		3/4	20 PSIG	398000 CFPD
45		3/4	20 PSIG	398000 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 6/20/83

2606 DSHAT

TK# 19061

I.



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/23/83 TICKET #1120
CUSTOMER: ATTICA GAS VENTURE CORP. LEASE: LEWIS
WELL: 1 TEST: 2 GEOLOGIST: E SCHIERLING
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4626 FT TO: 4655 FT TOTAL DEPTH: 4655 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4621 FT SIZE: 6 5/8 IN PACKER DEPTH: 4626 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: GABBERT & JONES
MUD TYPE: DRISPAC VISCOSITY: 46
WEIGHT: 9.1 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 16000
JARS - MAKE: WTC SERIAL NUMBER: 499
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 720 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3877 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 29 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 FH IN

BLOW: INITIAL FLOW PERIOD GAS TO SURFACE
IN 20 MINUTES. SEE ATTACHED GAS SHEET.
FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 5 FT OF: 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): 8:50 TIME STARTED OFF BOTTOM: 12:35
WELL TEMPERATURE: 110 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2267 PSI
INITIAL FLOW PERIOD MIN: 45 (B) 129 PSI TO (C) 134 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1930 PSI
FINAL FLOW PERIOD MIN: 30 (E) 109 PSI TO (F) 113 PSI
FINAL CLOSED IN PERIOD MIN: 63 (G) 1920 PSI
FINAL HYDROSTATIC PRESSURE (H) 2235 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 6/23/83 TICKET #1120
CUSTOMER: ATTICA GAS VENTURE CORP. LEASE: LEWIS
WELL: 1 TEST: 2 GEOLOGIST: E SCHIERLING
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW	
8:50				GAS TO SURFACE IN 20 MINUTES
8:50	MERLA	1	30 PSIG	951000 CFPD
10		1	20 PSIG	725000 CFPD
15		1	15 PSIG	603000 CFPD
25		1	15 PSIG	603000 CFPD
35			15 PSIG	603000 CFPD
			SECOND FLOW	
10:05				TOOL OPEN
10:05	MERLA	1	22 PSIG	773000 CFPD
15		1	20 PSIG	725000 CFPD
25		1	20 PSIG	725000 CFPD
35		1	20 PSIG	725000 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 6/23/83

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6/23/83 TICKET #1120
CUSTOMER: ATTICA GAS VENTURE CORP. LEASE: LEWIS
WELL: 1 TEST: 2 GEOLOGIST: E SCHIERLING
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2267	PSI
(B) FIRST INITIAL FLOW PRESSURE:	129	PSI
(C) FIRST FINAL FLOW PRESSURE:	134	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1930	PSI
(E) SECOND INITIAL FLOW PRESSURE:	109	PSI
(F) SECOND FINAL FLOW PRESSURE:	113	PSI
(G) FINAL CLOSED-IN PRESSURE:	1920	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2235	PSI
WELL TEMPERATURE:	110	'F

OPEN TOOL: 8:50

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	45 MIN	45 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	48 MIN
SECOND FLOW PRESSURE:	30 MIN	30 MIN
FINAL CLOSED-IN PRESSURE:	60 MIN	63 MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	129	0	134	0	109	0	113
2	5	129	3	1395	5	109	3	1157
3	10	129	6	1795	10	109	6	1624
4	15	129	9	1866	15	109	9	1807
5	20	129	12	1890	20	109	12	1855
6	25	129	15	1904	25	111	15	1878
7	30	129	18	1912	30	113	18	1893
8	35	130	21	1918			21	1901
9	40	132	24	1922			24	1906
10	45	134	27	1923			27	1909
11			30	1924			30	1912
12			33	1925			33	1913
13			36	1926			36	1914
14			39	1927			39	1915
15			42	1928			42	1916
16			45	1929			45	1917
17			48	1930			48	1918
18							51	1919
19							54	1920
20							57	1920
21							60	1920
22							63	1920
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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/24/83 TICKET #1121
CUSTOMER: ATTICA GAS VENTURE CORP. LEASE: LEWIS
WELL: 1 TEST: 3 GEOLOGIST: E SCHIERLING
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4655 FT TO: 4673 FT TOTAL DEPTH: 4673 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4650 FT SIZE: 6 5/8 IN PACKER DEPTH: 4655 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: GABBERT & JONES
MUD TYPE: DRISPAC VISCOSITY: 46
WEIGHT: 9.2 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 16000
JARS - MAKE: WTC SERIAL NUMBER: 499
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 720 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3906 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 4 1/2 IN
ANCHOR LENGTH: 18 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 FH IN

BLOW: VERY STRONG BLOW THROUGHOUT TEST.

RECOVERED: 60 FT OF: 70% MUD; 5% OIL; 25% WATER
RECOVERED: FT OF: CHLORIDES 37000 PPM
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): 12:35 TIME STARTED OFF BOTTOM: 3:10
WELL TEMPERATURE: 110 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2358 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 65 PSI TO (C) 65 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 545 PSI
FINAL FLOW PERIOD MIN: 30 (E) 73 PSI TO (F) 77 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 506 PSI
FINAL HYDROSTATIC PRESSURE (H) 2300 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6/24/83 TICKET #1121
CUSTOMER: ATTICA GAS VENTURE CORP. LEASE: LEWIS
WELL: 1 TEST: 3 GEOLOGIST: E SCHIERLING
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 35 TOWNSHIP: 34S
RANGE: 11W COUNTY: BARBER STATE: KANSAS
GAUGE SN #3659 RANGE: 4000 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2358	PSI
(B) FIRST INITIAL FLOW PRESSURE:	65	PSI
(C) FIRST FINAL FLOW PRESSURE:	65	PSI
(D) INITIAL CLOSED-IN PRESSURE:	545	PSI
(E) SECOND INITIAL FLOW PRESSURE:	73	PSI
(F) SECOND FINAL FLOW PRESSURE:	77	PSI
(G) FINAL CLOSED-IN PRESSURE:	506	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2300	PSI
WELL TEMPERATURE:	110	'F

OPEN TOOL: 12:35

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
SECOND FLOW PRESSURE:	30 MIN	30 MIN
FINAL CLOSED-IN PRESSURE:	45 MIN	45 MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	65	0	65	0	73	0	77
2	5	65	3	69	5	73	3	88
3	10	65	6	80	10	73	6	106
4	15	65	9	101	15	73	9	128
5	20	65	12	123	20	74	12	155
6	25	65	15	148	25	75	15	182
7	30	65	18	178	30	77	18	212
8			21	207			21	241
9			24	237			24	270
10			27	269			27	302
11			30	308			30	333
12			33	346			33	367
13			36	386			36	400
14			39	435			39	440
15			42	477			42	472
16			45	545			45	506
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JKT # 1121

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