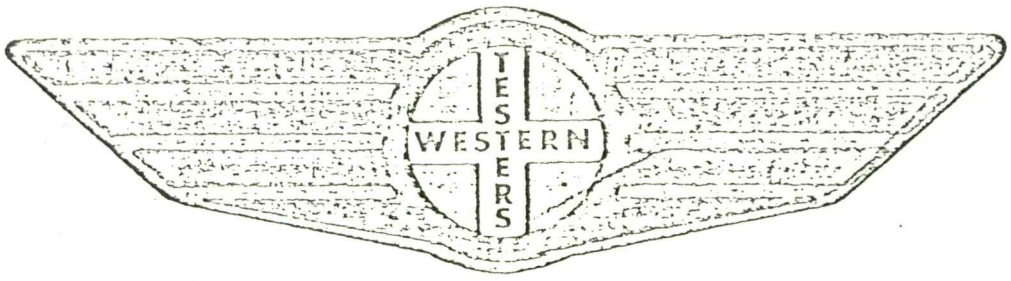
ompany CARR EXPLORATIONS, INC. Lease and Well No. #2 GASAWAY "TWIN" Sec. 18 Twp. 29S Rge. 2E Test No. 1 Date 7/3/8

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/2/84 TICKET #5527
CUSTOMER: CARR EXPLORATIONS INC. LEASE: GASAWAY "TWIN"
WELL: #2 TEST: 1 GEOLOGIST: CAUTHERS
ELEVATION (KB): 1278 FORMATION: SIMPSON
SECTION: 18 TOWNSHIP: 29S
RANGE: 2E COUNTY: SEDGEWICK STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3495 FT TO: 3501 FT TOTAL DEPTH: 3501 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3495 FT SIZE: 6 3/4 IN PACKER DEPTH: 3490 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEM VISCOSITY: 40
WEIGHT: 9.6 WATER LOSS (CC): 16
CHLORIDES (P.P.M.): 3400
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 360 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3110 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 6 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 BLOW DEAD IN
16 MINUTES ; FLUSHED TOOL. FINAL FLOW
PERIOD GOOD SURGE THEN NO BLOW.

RECOVERED: 10 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): 6:20 A.M. TIME STARTED OFF BOTTOM: 7:25 A.M.
WELL TEMPERATURE: 116 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1744 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 31 PSI TO (C) 31 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 341 PSI
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI
FINAL HYDROSTATIC PRESSURE (H) 1719 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 7/2/84 TICKET #5527
CUSTOMER: CARR EXPLORATIONS INC. LEASE: GASAWAY "TWIN"
WELL: #2 TEST: 1 GEOLOGIST: CAUTHERS
ELEVATION (KB): 1278 FORMATION: SIMPSON
SECTION: 18 TOWNSHIP: 29S
RANGE: 2E COUNTY: SEDGEWICK STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1744	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	31	PSI
(C)	FIRST FINAL FLOW PRESSURE:	31	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	341	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	0	PSI
(F)	SECOND FINAL FLOW PRESSURE:	0	PSI
(G)	FINAL CLOSED-IN PRESSURE:	0	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1719	PSI
WELL TEMPERATURE:		116	'F

OPEN TOOL: 6:20 A.M.

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

PRESSURE BREAKDOWN

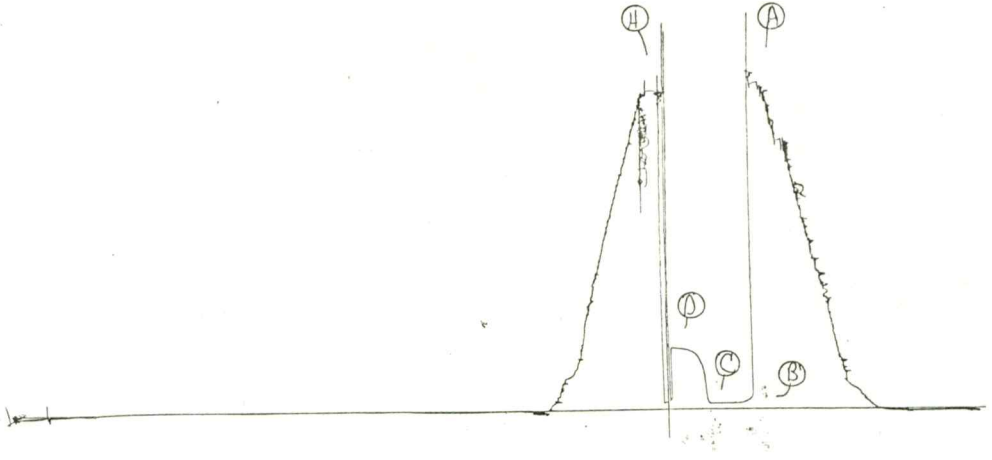
	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	31	0	31	0	0	0	0
2	5	31	3	31				
3	10	31	6	209				
4	15	31	9	275				
5	20	31	12	308				
6	25	31	15	322				
7	30	31	18	330				
8			21	336				
9			24	338				
10			27	340				
11			30	341				
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IKT # 5527

DST #1

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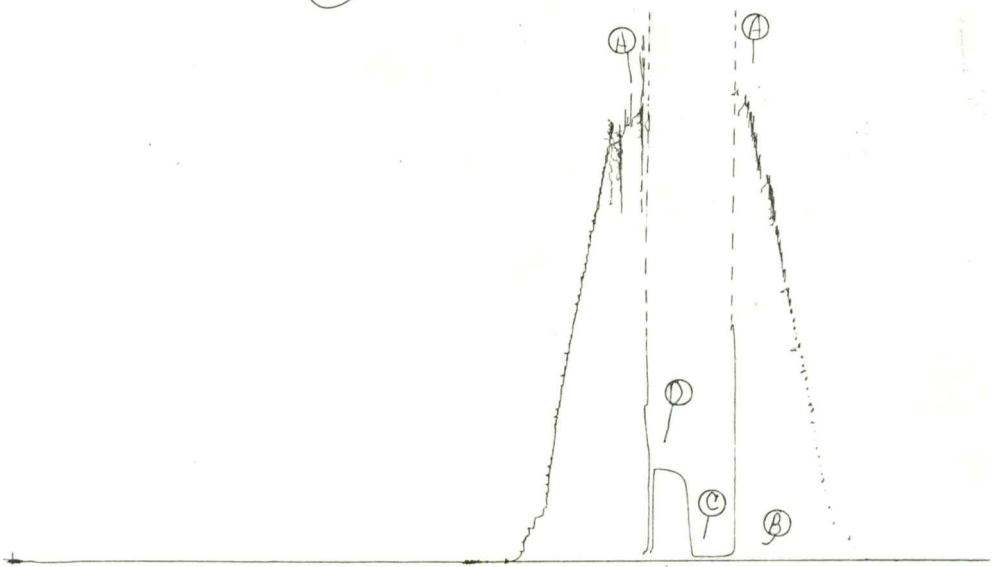


TKT # 5527.

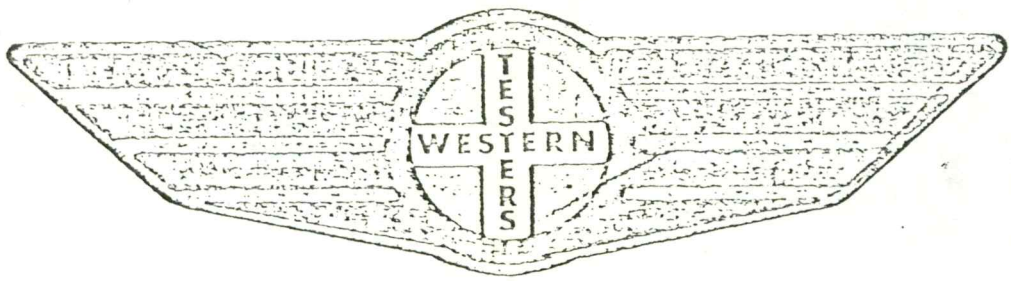
3474

DST #1

O.



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company CARR EXPLORATIONS, INC. Lease and Well No. #2 GASAWAY "TWIN" Sec. 18 Twp. 29S Rge. 2E Test No. 2 Date 7/3/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 7/3/84 TICKET #5528
CUSTOMER: CARR EXPLORATIONS INC. LEASE: GASAWAY "TWIN"
WELL: 2 TEST: 2 GEOLOGIST: CAURTHES ?
ELEVATION (KB): 1278 FORMATION: SIMPSON
SECTION: 18 TOWNSHIP: 29S
RANGE: 2E COUNTY: SEDGWICK STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3498 FT TO: 3516 FT TOTAL DEPTH: 3516 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3498 FT SIZE: 6 3/4 IN PACKER DEPTH: 3493 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER DRLG
MUD TYPE: CHEMICAL VISCOSITY: 52
WEIGHT: 9.7 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 3400
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	300	FT	I.D.: 2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	3178	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	20	FT	TOOL SIZE: 5 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 XH	IN	

BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW.
DIED IN 20 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 15 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): 4:00 PM TIME STARTED OFF BOTTOM: 5:30 PM
WELL TEMPERATURE: 0 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 1767	PSI
INITIAL FLOW PERIOD	MIN: 30	(B) 37	PSI TO (C) 37 PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 402	PSI
FINAL FLOW PERIOD	MIN: 30	(E) 37	PSI TO (F) 37 PSI
FINAL CLOSED IN PERIOD	MIN: 33	(G) 392	PSI
FINAL HYDROSTATIC PRESSURE		(H) 1734	PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 7/3/84 TICKET #5528
CUSTOMER: CARR EXPLORATIONS INC. LEASE: GASAWAY "TWIN"
WELL: 2 TEST: 2 GEOLOGIST: CAURTHES ?
ELEVATION (KB): 1278 FORMATION: SIMPSON
SECTION: 18 TOWNSHIP: 29S
RANGE: 2E COUNTY: SEDGWICK STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	1767	PSI
(B) FIRST INITIAL FLOW PRESSURE:	37	PSI
(C) FIRST FINAL FLOW PRESSURE:	37	PSI
(D) INITIAL CLOSED-IN PRESSURE:	402	PSI
(E) SECOND INITIAL FLOW PRESSURE:	37	PSI
(F) SECOND FINAL FLOW PRESSURE:	37	PSI
(G) FINAL CLOSED-IN PRESSURE:	392	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1734	PSI
WELL TEMPERATURE:	0	'F

OPEN TOOL: 4:00 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	30	MIN
SECOND FLOW PRESSURE:	30	MIN	30	MIN
FINAL CLOSED-IN PRESSURE:	30	MIN	33	MIN

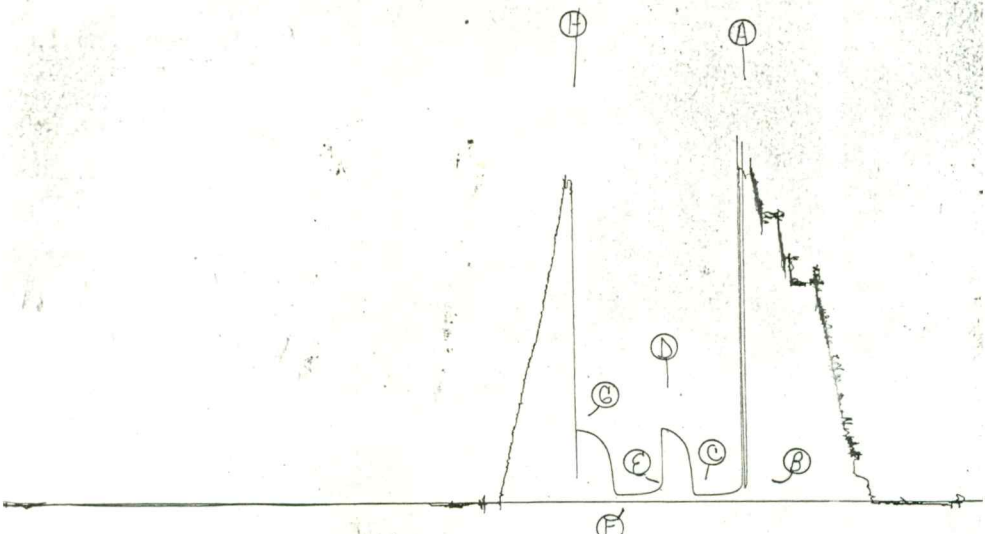
PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	37	0	37	0	37	0	37
2	5	37	3	37	5	37	3	37
3	10	37	6	59	10	37	6	84
4	15	37	9	249	15	37	9	238
5	20	37	12	317	20	37	12	302
6	25	37	15	345	25	37	15	333
7	30	37	18	366	30	37	18	355
8			21	381			21	370
9			24	392			24	379
10			27	399			27	386
11			30	402			30	390
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