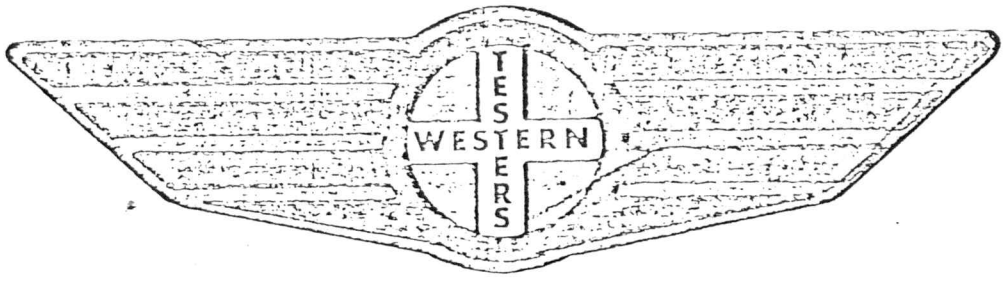
Company SUNWEST EXPLORATION CO. Lease and Well No. #1 MEL ALSON Sec. 28 Twp. 31S Rge. 13W Test No. 1 Date 8/4/84

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/4/84 TICKET #5633
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: #1 TEST: 1 GEOLOGIST: MCGUINESS
ELEVATION (KB): 1581 FORMATION: TOPEKA
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3360 FT TO: 3370 FT TOTAL DEPTH: 3370 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3355 FT SIZE: 6 3/4 IN PACKER DEPTH: 3360 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALLEN
MUD TYPE: CHEM VISCOSITY: 31
WEIGHT: 9.4 WATER LOSS (CC): N/C
CHLORIDES (P.P.M.): 40000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3340 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 10 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:

RECOVERED: FT OF:
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: COULD NOT GET TO BOTTOM 19 FEET OF FILL.

TIME SET PACKER(S): 7:30 P.M. TIME STARTED OFF BOTTOM:
WELL TEMPERATURE: 0 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1626 PSI
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 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) 1600 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 8/4/84 TICKET #5633
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: #1 TEST: 1 GEOLOGIST: MCGUINESS
ELEVATION (KB): 1581 FORMATION: TOPEKA
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	1626	PSI
(B) FIRST INITIAL FLOW PRESSURE:	0	PSI
(C) FIRST FINAL FLOW PRESSURE:	0	PSI
(D) INITIAL CLOSED-IN PRESSURE:	0	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:	1600	PSI
WELL TEMPERATURE:	0	'F

OPEN TOOL: 7:30 P.M.

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	MIN 0	MIN
INITIAL CLOSED-IN PRESSURE:	MIN 0	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	0	0	0	0	0	0	0
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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WESTERN TESTING CO., INC.
Pressure Data

Date 8-7-84 Test Ticket No. 5635

Recorder No. 13402 Capacity Location Ft.

Clock No. — — — — Elevation Well Temperature °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2127	P.S.I.		
B	First Initial Flow Pressure	134	P.S.I.		
C	First Final Flow Pressure	134	P.S.I.	Open Tool M	
D	Initial Closed-in Pressure	1669	P.S.I.	First Flow Pressure Mins.	Mins.
E	Second Initial Flow Pressure	175	P.S.I.	Initial Closed-in Pressure Mins.	Mins.
F	Second Final Flow Pressure	163	P.S.I.	Second Flow Pressure Mins.	Mins.
G	Final Closed-in Pressure	1633	P.S.I.	Final Closed-in Pressure Mins.	Mins.
H	Final Hydrostatic Mud	2090	P.S.I.		

plugging action F.F.P.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	134
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	134
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	134
3	940
6	1360
9	1524
12	1581
15	1619
18	1639
21	1653
24	1663
27	1669
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

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

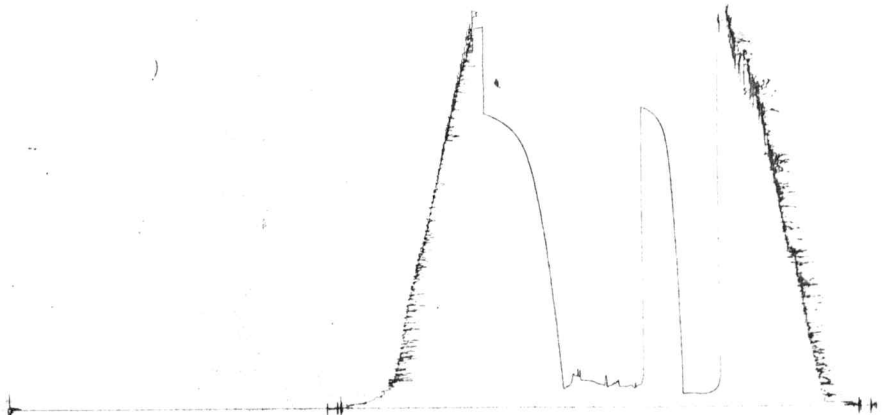
Point Minutes	Press.
0	175
5	175
10	175
15	175
20	189
25	173
30	188
35	198
40	208
45	205
50	228
55	184
60	163
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	163
3	398
6	663
9	870
12	1025
15	1150
18	1248
21	1336
24	1400
27	1452
30	1497
33	1524
36	1549
39	1569
42	1584
45	1597
48	1607
51	1617
54	1627
57	1633
60	

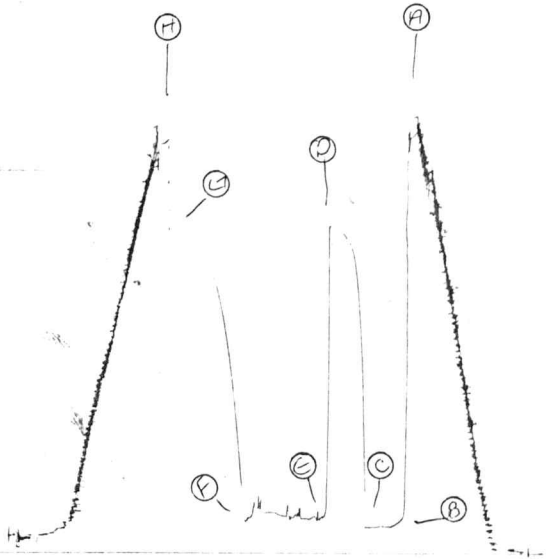
1559
DST #3

TCK# 5635

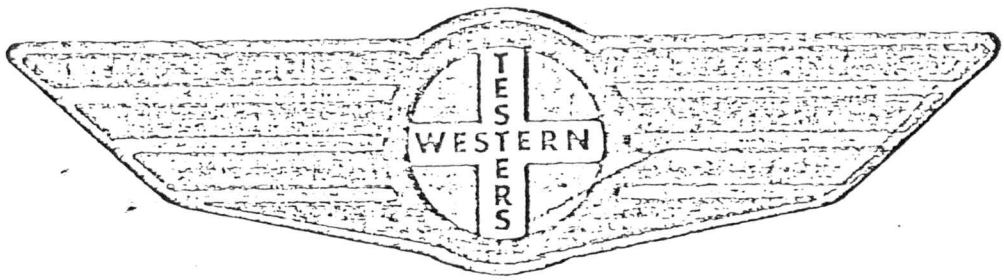


13402
DST #3

HCH # 5635



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

Company SUNWEST EXPLORATION CO. Lease and Well No. #1 MEL ALSON Sec. 28 Twp. 31S Rge. 13W Test No. 2 Date 8/5/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/5/84 TICKET #5634
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: #1 TEST: 2 GEOLOGIST: MCGINNESS
ELEVATION (KB): 1581 FORMATION: TOPEKA
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3358 FT TO: 3370 FT TOTAL DEPTH: 3370 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3353 FT SIZE: 6 3/4 IN PACKER DEPTH: 3358 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALLEN
MUD TYPE: CHEM VISCOSITY: 31
WEIGHT: 9.4 WATER LOSS (CC): N/C
CHLORIDES (P.P.M.): 35000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3338 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 12 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 BUILDING TO
STRONG ; FINAL FLOW PERIOD STRONG
BLOW THROUGHOUT. GAS TO SURFACE
IN 30 MINUTES IN FFP.

RECOVERED: 70 FT OF: HVY OIL & GAS CUT MUD.
RECOVERED: 180 FT OF: FROGGY OIL.
RECOVERED: 165 FT OF: MUDDY GASY OIL; 60% OIL; 30% MUD
RECOVERED: 15 FT OF: SALT WATER; CHLORIDES 62000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: HIT TIGHT SPOTS BETWEEN 3100-3250.

TIME SET PACKER(S): 5:45 A.M. TIME STARTED OFF BOTTOM: 8:45 A.M.
WELL TEMPERATURE: 110 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1724 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 123 PSI TO (C) 160 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 1083 PSI
FINAL FLOW PERIOD MIN: 60 (E) 177 PSI TO (F) 222 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1117 PSI
FINAL HYDROSTATIC PRESSURE (H) 1714 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 8/5/84 TICKET #5634
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: #1 TEST: 2 GEOLOGIST: MCGINNESS
ELEVATION (KB): 1581 FORMATION: TOPEKA
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	1724	PSI
(B) FIRST INITIAL FLOW PRESSURE:	123	PSI
(C) FIRST FINAL FLOW PRESSURE:	160	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1083	PSI
(E) SECOND INITIAL FLOW PRESSURE:	177	PSI
(F) SECOND FINAL FLOW PRESSURE:	222	PSI
(G) FINAL CLOSED-IN PRESSURE:	1117	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1714	PSI
WELL TEMPERATURE:	110	'F

OPEN TOOL: 5:45 A.M.

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	30 MIN	27 MIN
SECOND FLOW PRESSURE:	60 MIN	60 MIN
FINAL CLOSED-IN PRESSURE:	60 MIN	60 MIN

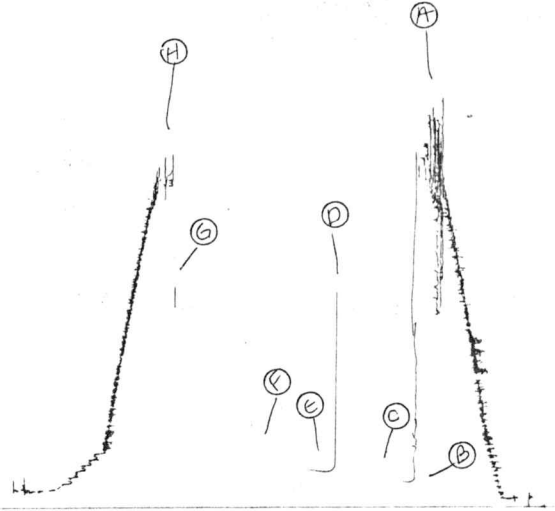
PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	123	0	160	0	177	0	222
2	5	123	3	685	5	177	3	687
3	10	133	6	878	10	181	6	841
4	15	139	9	930	15	187	9	875
5	20	148	12	963	20	190	12	901
6	25	155	15	993	25	194	15	924
7	30	160	18	1017	30	200	18	944
8			21	1041	35	203	21	960
9			24	1063	40	207	24	976
10			27	1083	45	211	27	992
11					50	216	30	1008
12					55	219	33	1022
13					60	222	36	1036
14							39	1050
15							42	1063
16							45	1072
17							48	1081
18							51	1090
19							54	1099
20							57	1108
21							60	1117
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13402
DST #2

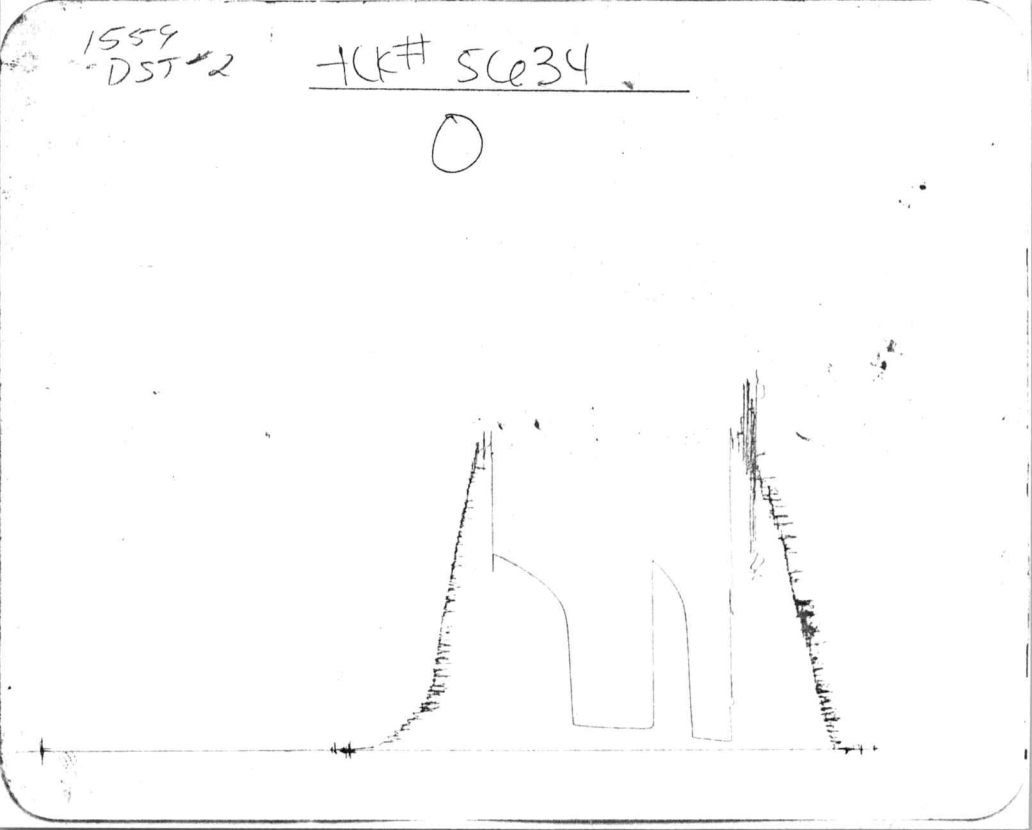
TK# 5634

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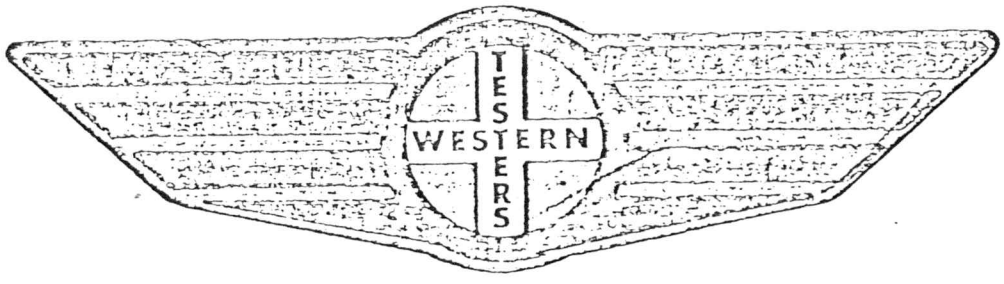


1559
DST #2

TK# 56034



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

Company SUNWEST EXPLORATION COMPANY Lease and Well No. #1 MEL ALSON Sec. 28 Twp. 31S Rge. 13W Test No. 3 Date 8/7/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/7/84 TICKET #5635
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: 1 TEST: 3 GEOLOGIST: MCGINNESS
ELEVATION (KB): 1581 FORMATION: MISSISSIPPI
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4194 FT TO: 4232 FT TOTAL DEPTH: 4232 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4189 FT SIZE: 6 3/4 IN PACKER DEPTH: 4194 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALLEN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 54
WEIGHT: 9.2 WATER LOSS (CC): 8.0
CHLORIDES (P.P.M.): 4000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4174 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 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: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 6 MINUTES.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 70 FT OF: HEAVY OIL CUT GASSY MUD.
RECOVERED: 60 FT OF: FROGGY OIL.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLIGHT PLUGGING ACTION ON THE
FINAL FLOW PERIOD.

TIME SET PACKER(S): 7:00 AM TIME STARTED OFF BOTTOM: 10:00 AM
WELL TEMPERATURE: 116 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2127 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 134 PSI TO (C) 134 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 1669 PSI
FINAL FLOW PERIOD MIN: 60 (E) 175 PSI TO (F) 163 PSI
FINAL CLOSED IN PERIOD MIN: 57 (G) 1633 PSI
FINAL HYDROSTATIC PRESSURE (H) 2090 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8/7/84 TICKET #5635
CUSTOMER: SUNWEST EXPLORATION COMPANY LEASE: MEL ALSON
WELL: 1 TEST: 3 GEOLOGIST: MCGINNESS
ELEVATION (KB): 1581 FORMATION: MISSISSIPPI
SECTION: 28 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2127	PSI
(B) FIRST INITIAL FLOW PRESSURE:	134	PSI
(C) FIRST FINAL FLOW PRESSURE:	134	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1669	PSI
(E) SECOND INITIAL FLOW PRESSURE:	175	PSI
(F) SECOND FINAL FLOW PRESSURE:	163	PSI
(G) FINAL CLOSED-IN PRESSURE:	1633	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2090	PSI
WELL TEMPERATURE:	116	'F

OPEN TOOL: 7:00 AM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	27	MIN
SECOND FLOW PRESSURE:	60	MIN	60	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	134	0	134	0	175	0	163
2	5	134	3	940	5	175	3	398
3	10	134	6	1360	10	175	6	663
4	15	134	9	1524	15	175	9	870
5	20	134	12	1581	20	189	12	1025
6	25	134	15	1619	25	173	15	1150
7	30	134	18	1639	30	188	18	1248
8			21	1653	35	198	21	1336
9			24	1663	40	208	24	1400
10			27	1669	45	205	27	1452
11					50	228	30	1494
12					55	186	33	1524
13					60	163	36	1549
14							39	1569
15							42	1584
16							45	1597
17							48	1607
18							51	1617
19							54	1627
20							57	1633
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GAS FLOW REPORT

Date 8/7/84 Ticket 5635 Company Sunwest Exploration Company

Well Name and No. #1 Mel Alson Dst No. 3 Interval Tested 4194 - 4232

County Barber State Kansas Sec. 28 Twp. 31s Rg. 13w

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
PRE FLOW						
10	6 PSIG	1/2				86300 CFPD
20	6					86300
25	6					86300
SECOND FLOW						
10	4 PSIG	1/2				68800 CFPD
20	3					59200
30	1					33900
40	1					33900
50	1					33900
60	1					33900

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 1½% 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 _____

Authorized by _____

FORM WTC 6