WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 9957

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

Elevation 2455 KB Formation BERN Eff. Pay Ft.

P240 14 District WAKEENEY Date 8-11-85 Customer Order No. PAY

COMPANY NAME PIANO PETROLEUM CORPORATION Attn. Jacoby

ADDRESS P.O. Box 247 - PIANO, TEXAS - 75074

LEASE AND WELL NO. THORPE 2-9 COUNTY KIOWA STATE KS Sec. 9 Twp. 28 S Rge. 16W

Mail Invoice To SAME #2-9 Thorpe No. Copies Requested Reg
Co. Name Address

Mail Charts To SAME No. Copies Requested Reg
Address

Formation Test No. 1 Interval Tested From 3487 ft. to 3515 ft. Total Depth 3515 ft.

Packer Depth 3482 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3487 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3506 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3509 ft. Recorder Number 13629 Cap. 4425

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor ALDEBARAN #1

Mud Type Chem Viscosity 43

Weight 9.1 Water Loss 12.8 cc.

Chlorides 10,000 P.P.M.

Jars: Make — Serial Number

Did Well Flow? NO Reversed Out NO

Drill Collar Length 565 I. D. 2.2 in.

Weight Pipe Length I. D. in.

Drill Pipe Length 2902 I. D. ~~3.8~~ 3.2 in.

Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Anchor Length 28 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: WEAK - decreasing thru I.F.P.
Very weak - dead 10 min. F.F.P.

Recovered 15 ft. of Drlg. Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 12,000 P.P.M. Sample Jars used Remarks:

Time On Location 9:00 ~~A.M.~~ P.M. Time Pick Up Tool 12:15 ~~A.M.~~ P.M. Time Off Location 6:30 ~~A.M.~~ P.M.

Time Set Packer(s) 1:50 ~~A.M.~~ P.M. Time Started Off Bottom 4:20 ~~A.M.~~ P.M. Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	1700	P.S.I.	
Initial Flow Period	Minutes	30	(B)	32	P.S.I. to (C)	32 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1184	P.S.I.	
Final Flow Period	Minutes	30	(E)	54	P.S.I. to (F)	54 P.S.I.
Final Closed In Period	Minutes	45	(G)	1162	P.S.I.	
Final Hydrostatic Pressure			(H)	1690	P.S.I.	

AUG 19 1985

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 Terry D. McLeod
Signature of Customer or his authorized representative

Western Representative David Silva

1950. Thank you

FIELD INVOICE

Open Hole Test	$ ~~550~~
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$ 165
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$

WESTERN TESTING CO., INC.
Pressure Data

Date 8-11 Test Ticket No. 9957

Recorder No. 1566 Capacity Location

Clock No. Elevation Well Temperature

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1710 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins.	30 Mi
C	First Final Flow Pressure	51 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mi
D	Initial Closed-in Pressure	1197 P.S.I.	Second Flow Pressure	30 Mins.	30 Mi
E	Second Initial Flow Pressure	71 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mi
F	Second Final Flow Pressure	71 P.S.I.			
G	Final Closed-in Pressure	1173 P.S.I.			
H	Final Hydrostatic Mud	1710 P.S.I.			

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	51
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	51
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	51
3	396
6	755
9	938
12	1012
15	1061
18	1090
21	1113
24	1135
27	1150
30	1162
33	1172
36	1181
39	1189
42	1195
45	1197
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	71
5	
10	
15	
20	
25	
30	71
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

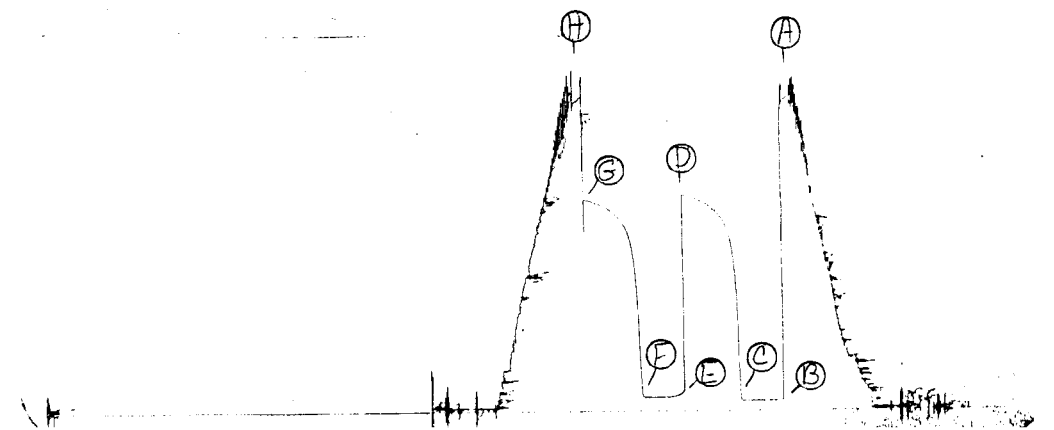
Point Minutes	Press.
0	71
3	324
6	687
9	899
12	984
15	1035
18	1068
21	1092
24	1111
27	1124
30	1138
33	1149
36	1158
39	1166
42	1171
45	1173
48	
51	
54	
57	
60	

1 150'

piano pa
DST 1

IKT #9957

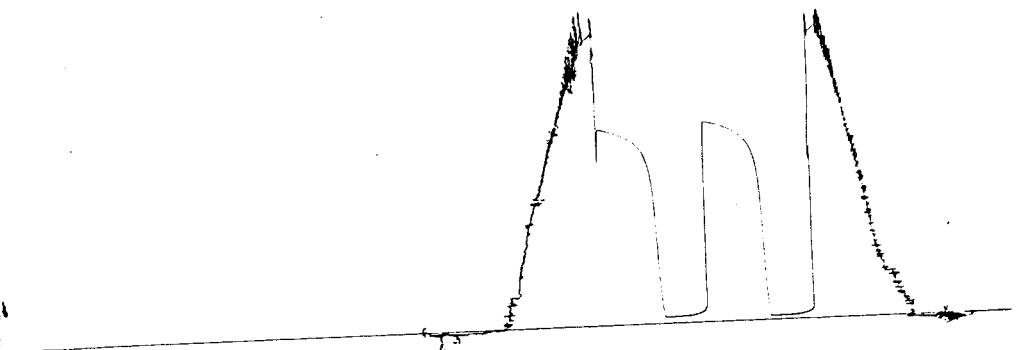
I



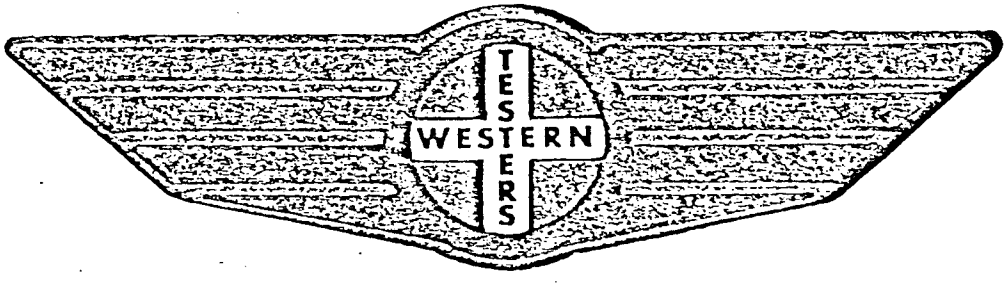
13629

plano
DST 1

IKT #9957
O



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

mpany PLANO PETROLEUM CORPORATION Lease & Well No. #2-9 THUKRE Sec. 9 Twp. 20S Rge. 10W Test No. 1 Date 07-22-82

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-11-85 TICKET #9957
CUSTOMER: PLANO PETROLEUM CORPORATION LEASE: THORPE
WELL: 2-9 TEST: 1 GEOLOGIST: T.L. MCLEOD
ELEVATION (KB): 2155 FORMATION: BERN LM
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 3487 FT TO: 3515 FT TOTAL DEPTH: 3515 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3482 FT SIZE: 6 3/4 IN PACKER DEPTH: 3487 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG. #1
MUD TYPE: CHEMICAL VISCOSITY: 43
WEIGHT: 9.1 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 10000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	565	FT	I.D.: 2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	2902	FT	I.D.: 3.2	IN	
TEST TOOL LENGTH:	20	FT	TOOL SIZE: 5 1/2 OD	IN	
ANCHOR LENGTH:	28	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 FH	IN	

BLOW: INITIAL FLOW PERIOD WEAK BLOW;
DECREASING.
FINAL FLOW PERIOD VERY WEAK BLOW;
DEAD IN 10 MINUTES.

RECOVERED: 15 FT OF: DRILLING MUD.
RECOVERED: FT OF: CHLORIDES 12000 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): 1:50 PM TIME STARTED OFF BOTTOM: 4:20 PM
WELL TEMPERATURE: 110 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 1710	PSI
INITIAL FLOW PERIOD	MIN: 30	(B) 51	PSI TO (C) 51 PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 1197	PSI
FINAL FLOW PERIOD	MIN: 30	(E) 71	PSI TO (F) 71 PSI
FINAL CLOSED IN PERIOD	MIN: 45	(G) 1173	PSI
FINAL HYDROSTATIC PRESSURE		(H) 1710	PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8-11-85 TICKET #9957
CUSTOMER: PLANO PETROLEUM CORPORATION LEASE: THORPE
WELL: 2-9 TEST: 1 GEOLOGIST: T.L. MCLEOD
ELEVATION (KB): 2155 FORMATION: BERN LM
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1710	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	51	PSI
(C)	FIRST FINAL FLOW PRESSURE:	51	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1197	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	71	PSI
(F)	SECOND FINAL FLOW PRESSURE:	71	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1173	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1710	PSI
WELL TEMPERATURE:		110	'F

OPEN TOOL: 1:50 PM

	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	51	0	51	0	71	0	71
2	5	51	3	396	5	71	3	324
3	10	51	6	755	10	71	6	687
4	15	51	9	938	15	71	9	899
5	20	51	12	1012	20	71	12	984
6	25	51	15	1061	25	71	15	1035
7	30	51	18	1090	30	71	18	1068
8			21	1113			21	1092
9			24	1135			24	1111
10			27	1150			27	1124
11			30	1162			30	1138
12			33	1172			33	1149
13			36	1181			36	1158
14			39	1189			39	1166
15			42	1195			42	1171
16			45	1197			45	1173
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No. 9958

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

Elevation 2155 KB Formation Miss. Dolg. Eff. Pay ____ Ft.

P240 14 District W A Keeney Date 8-14-85 Customer Order No. ____

COMPANY NAME Plano Petroleum Corp. Attn Ray Jacoby

ADDRESS P. O. Box 247 - Plano, Texas - 75074

LEASE AND WELL NO. Thorpe 2-9 COUNTY Kiowa STATE Ks Sec. 9 Twp. 28S Rge. 16W

Mail Invoice To Same #2-9 Thorpe No. Copies Requested Req
Co. Name Address

Mail Charts To Same No. Copies Requested Req
Address

Formation Test No. 2 Interval Tested From 4650 ft. to 4722 ft. Total Depth 4722 ft.

Packer Depth 4645 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4650 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4675 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4678 ft. Recorder Number 13629 Cap. 4425

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor Aldebaran #1 Drill Collar Length 535 I. D. 2.2 in.

Mud Type Chem. Viscosity 42 Weight Pipe Length ____ I. D. ____ in.

Weight 9.4 Water Loss 12 cc. Drill Pipe Length 4093 I. D. 3.2 in.

Chlorides 9,000 P.P.M. Test Tool Length 72 ft. Tool Size 5 1/2 O.D in.

Jars: Make — Serial Number ____ Anchor Length 72 ft. Size 5 1/2 O.D 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 FH in.

Blow: Mis-Run - Std Tool 35' To Bottom W/Tool open

Recovered 780 ft. of Drlg. mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Chlorides ____ P.P.M. Sample Jars used ____ Remarks: When on Bottom - NO Blow Flushed Tool Twice - NO Blow - Anchor & Tool Full of Cuttings

Time On Location 3:00 A.M. P.M. Time Pick Up Tool 5:15 A.M. P.M. Time Off Location 11:30 A.M. P.M.

Time Set Packer(s) 7:15 A.M. P.M. Time Started Off Bottom 7:45 A.M. P.M. Maximum Temperature ____

Initial Hydrostatic Pressure		(A)		P.S.I.	
Initial Flow Period	Minutes	(B)		P.S.I. to (C)	P.S.I.
Initial Closed In Period	Minutes	(D)		P.S.I.	
Final Flow Period	Minutes	(E)		P.S.I. to (F)	P.S.I.
Final Closed In Period	Minutes	(G)		P.S.I.	
Final Hydrostatic Pressure		(H)		P.S.I.	

AUG 15 1985

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 Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative Dave Sloan 1950

Thank you

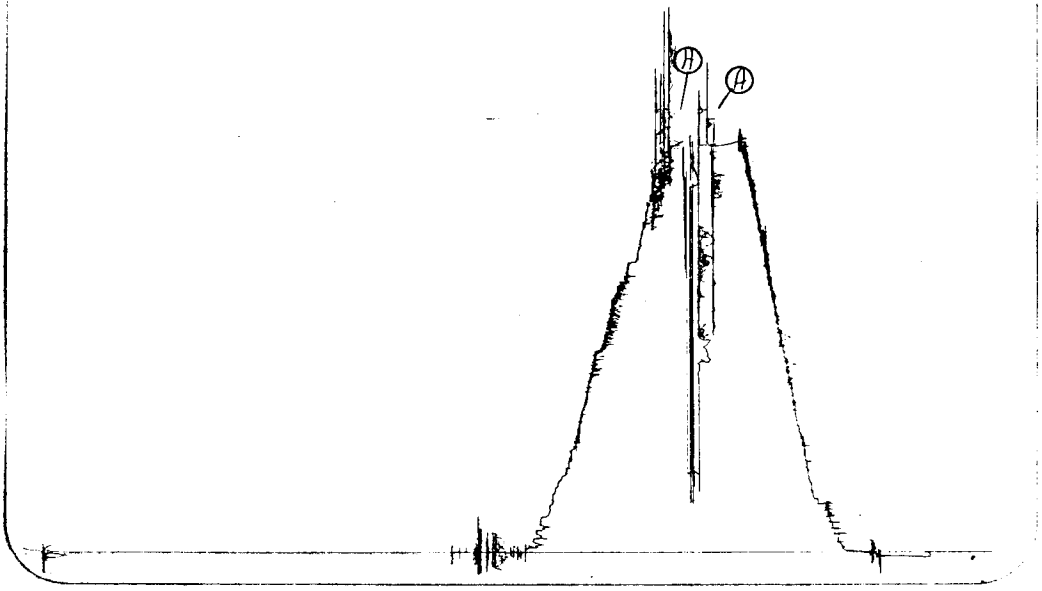
FIELD INVOICE

Open Hole Test	$ 400
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$ 65
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 465

1566

Plano
DST 2

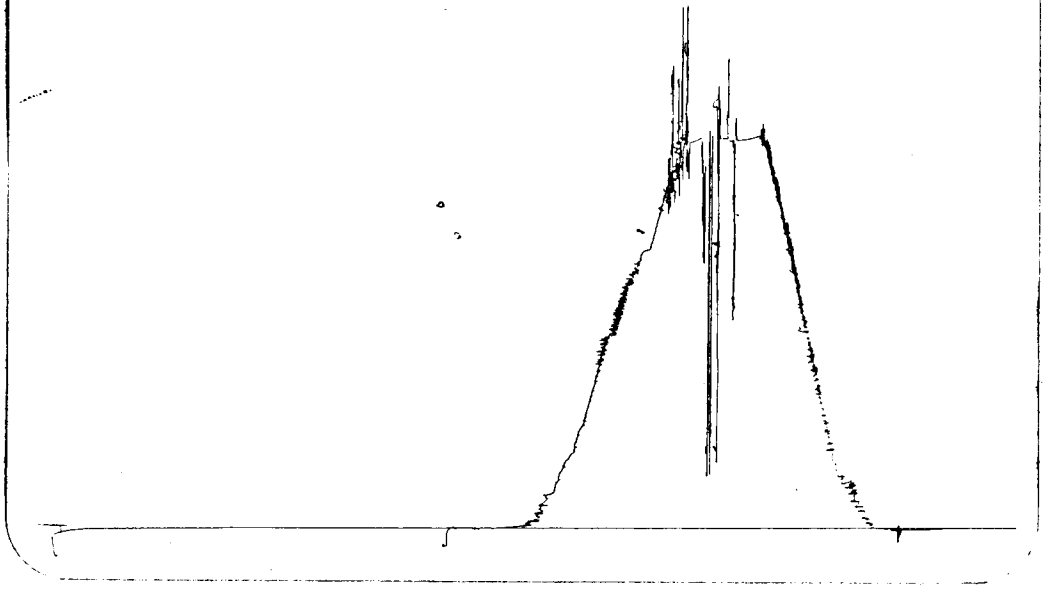
IKT #9958
I



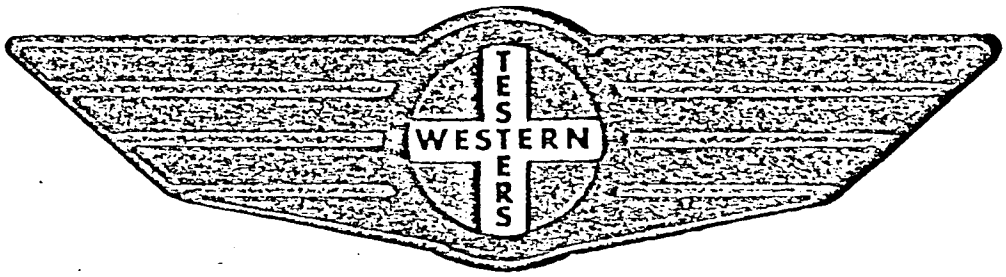
13629

Plano
DST 2

IKT #9958
O



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

Company PLANO PETROLEUM CORPORATION Lease & Well No. #2-9 THORPE Sec. 9 Twp. 28S Rge. 16W Test No. 2 Date 8/14/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 08-14-85 TICKET #9958
CUSTOMER: PLANO PETROLEUM CORP. LEASE: THORPE
WELL: #2-9 TEST: 2 GEOLOGIST: T. McLEOD
ELEVATION (KB): 2155 FORMATION: MISSISSIPPI CONG.
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KS.
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4650 FT TO: 4722 FT TOTAL DEPTH: 4722 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4645 FT SIZE: 6 5/8 IN PACKER DEPTH: 4650 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARON #1
MUD TYPE: CHEMICAL VISCOSITY: 42
WEIGHT: 9.4 WATER LOSS (CC): 12
CHLORIDES (P.P.M.): 9000
JARS - MAKE: - SERIAL NUMBER: -
DID WELL FLOW? NO REVERSED OUT? -

DRILL COLLAR LENGTH:	535 FT	I.D.:	2.2	IN	
WEIGHT PIPE LENGTH:	- FT	I.D.:	-	IN	
DRILL PIPE LENGTH:	4093 FT	I.D.:	3.2	IN	
TEST TOOL LENGTH:	22 FT	TOOL SIZE:	5.5 OD	IN	
ANCHOR LENGTH:	72 FT	SIZE:	5.5 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 FH	IN	

BLOW: MISRUN SEE REMARKS

RECOVERED: 780 FT OF: DRILLING 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 SLID TOOL 35' TO BOTTOM WITH TOOL OPEN
WHEN ON BOTTOM - NO BLOW - FLUSHED TOOL TWICE -
NO BLOW- ANCHOR & TOOL FULL OF CUTTINGS

TIME SET PACKER(S): 7:15 AM TIME STARTED OFF BOTTOM: 7:45 AM
WELL TEMPERATURE: 0 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2276	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) 2272	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 08-14-85 TICKET #9958
CUSTOMER: PLANO PETROLEUM CORP. LEASE: THORPE
WELL: #2-9 TEST: 2 GEOLOGIST: T. McLEOD
ELEVATION (KB): 2155 FORMATION: MISSISSIPPI CONG.
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KS.
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2276	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:	2272	PSI
WELL TEMPERATURE:	0	°F

OPEN TOOL: 7:15 AM

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

PRESSURE BREAKDOWN

PT	FIRST FLOW MIN	FIRST FLOW PRESSURE	INITIAL SHUT-IN MIN	INITIAL SHUT-IN PRESSURE	SECOND FLOW MIN	SECOND FLOW PRESSURE	FINAL SHUT-IN MIN	FINAL SHUT-IN PRESSURE
1	0	0	0	0	0	0	0	0
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET Nº 10089

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

Elevation _____ Formation Miss. - Kind. Eff. Pay _____ Ft.

D240 District Pratt Date 8-15-85 Customer Order No. _____

COMPANY NAME Plano ~~Prod~~ Petroleum Corp. Attn: Ray Jacoby

ADDRESS P.O. Box 247 Plano Texas 75074

LEASE AND WELL NO. Thorpe #2-9 COUNTY Kiowa STATE KS Sec. 9 Twp. 28s Rge. 16w

#2-9 THORPE

Mail Invoice To Same Co. Name Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 4683 ft. to 4755 ft. Total Depth 4755 ft.

Packer Depth 4678 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4683 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4705 ft. Recorder Number 13402 Cap. 4025

Bottom Recorder Depth (Outside) 4708 ft. Recorder Number 1555 Cap. 4200

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Aldebaran #1 Drill Collar Length 510 I. D. 2.2 in.

Mud Type Chem Viscosity 55 Weight Pipe Length — I. D. — in.

Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 4151 I. D. 3.8 in.

Chlorides 7,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.

Jars: Make — Serial Number — Anchor Length 72 ft. Size 5 1/2 OD 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 4½ FH in.

Blow: Weak + Surging thru I.F. - Strong + Surging thru F.F.

Recovered 65 ft. of Mud - Few Oil Specks

Recovered 90 ft. of Oil Cut Mud 60% Mud 25% Water 15% Oil

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used 3 Remarks: _____

Time On Location 9:00 A.M. / P.M. Time Pick Up Tool 10:30 A.M. / P.M. Time Off Location 2:30 A.M. / P.M.

Time Set Packer(s) 12:15 A.M. / P.M. Time Started Off Bottom 4:15 A.M. / P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure			(A)	2421	P.S.I.	
Initial Flow Period	Minutes	60	(B)	78	P.S.I. to (C)	167 P.S.I.
Initial Closed In Period	Minutes	60	(D)	1085	P.S.I.	
Final Flow Period	Minutes	60	(E)	147	P.S.I. to (F)	127 P.S.I.
Final Closed In Period	Minutes	60	(G)	798	P.S.I.	
Final Hydrostatic Pressure			(H)	2390	P.S.I.	

AUG 19 1985

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, or 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 Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative W. Protorski

1625.

Thank you

FIELD INVOICE

Open Hole Test	$ 595-
Misrun	$ _____
Straddle Test	$ _____
Jars	$ _____
Selective Zone	$ _____
Safety Joint	$ 165-
Standby	$ _____
Evaluation	$ _____
Extra Packer	$ _____
Circ. Sub.	$ _____
Mileage	$ _____
Fluid Sampler	$ _____
Extra Charts	$ _____
Insurance	$ _____
Telecopier	$ _____
TOTAL	$ _____

WESTERN TESTING CO., INC.
Pressure Data

Date 8-15 Test Ticket No. 10089

Recorder No. 13402 Capacity Location Ft

Clock No. Elevation Well Temperature °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2462 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	73 P.S.I.	First Flow Pressure	60 Mins.	55 Mins
C	First Final Flow Pressure	152 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins
D	Initial Closed-in Pressure	1070 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins
E	Second Initial Flow Pressure	152 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins
F	Second Final Flow Pressure	128 P.S.I.			
G	Final Closed-in Pressure	799 P.S.I.			
H	Final Hydrostatic Mud	2390 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	73
P 2 5	95
P 3 10	116
P 4 15	136
P 5 20	83
P 6 25	90
P 7 30	122
P 8 35	136
P 9 40	127
P10 45	136
P11 50	171
P12 55	152
P13 60	
P14 65	
P15 70	
P16 75	
P17 80	
P18 85	
P19 90	
P20 95	
100	

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	152
3	167
6	189
9	224
12	264
15	307
18	364
21	423
24	474
27	525
30	589
33	654
36	715
39	772
42	828
45	877
48	923
51	965
54	1005
57	1042
60	1070

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

Point Minutes	Press.
0	152
5	152
10	161
15	167
20	184
25	186
30	213
35	213
40	128
45	126
50	126
55	127
60	128
65	
70	
75	
80	
85	
90	
95	
100	

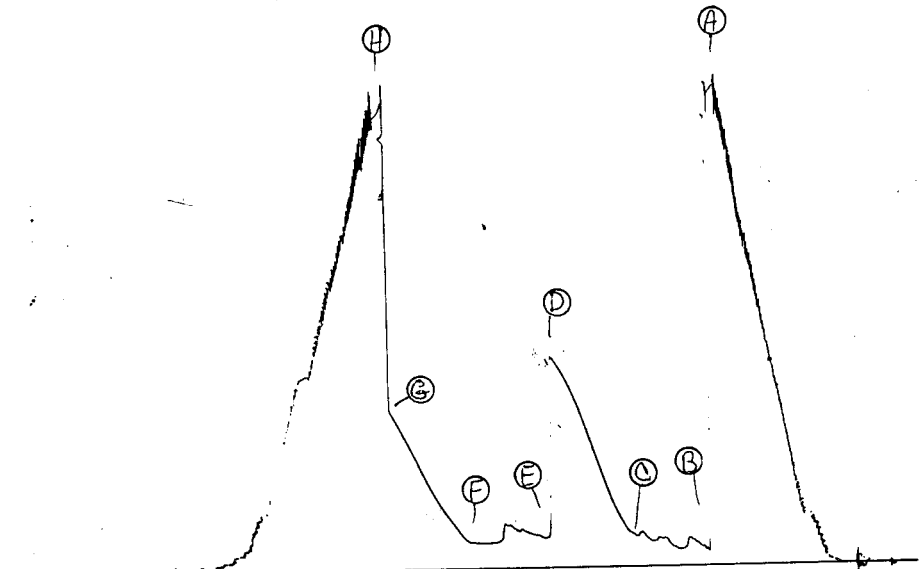
Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	128
3	141
6	163
9	189
12	216
15	243
18	275
21	306
24	342
27	378
30	415
33	460
36	504
39	550
42	591
45	632
48	673
51	713
54	749
57	783
60	799

13402
DST #3

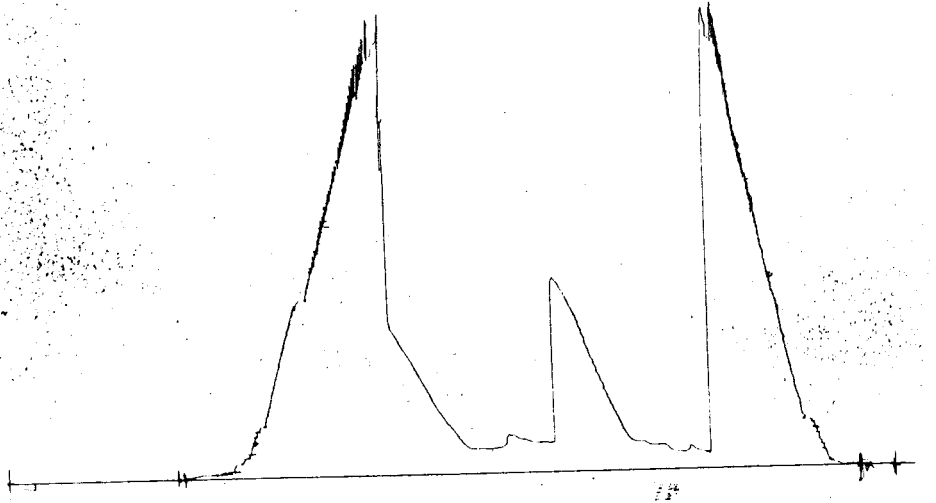
TKT #10089

I

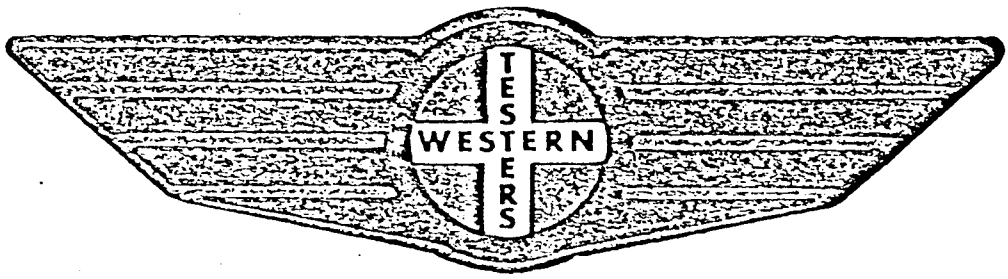


1559
DST #3

TKT #10089



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

Company PLANO PETROLEUM CORPORATION Lease & Well No. #2-9 THORPE Sec. 9 Twp. 28S Rge. 16W Test No. 3 Date 8/15/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-15-85 TICKET #10089
CUSTOMER: PLANO PETROLEUM CORPORATION LEASE: THORPE
WELL: 2-9 TEST: 3 GEOLOGIST: T.L. MCLEOD
ELEVATION (KB): 0 FORMATION: MISS/KINDERHOOK
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4683 FT TO: 4755 FT TOTAL DEPTH: 4755 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4678 FT SIZE: 6 3/4 IN PACKER DEPTH: 4683 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG. #1
MUD TYPE: CHEMICAL VISCOSITY: 55
WEIGHT: 9.1 WATER LOSS (CC): 9.6
CHLORIDES (P.P.M.): 7000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 510 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4151 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 72 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK &
SURGING BLOW.
FINAL FLOW PERIOD STRONG &
SURGING BLOW.

RECOVERED: 65 FT OF: MUD - FEW OIL SPECKS.
RECOVERED: 90 FT OF: OIL CUT MUD (60% MUD; 25% WATER; 15% OIL).
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): 12:15 PM TIME STARTED OFF BOTTOM: 4:15 PM
WELL TEMPERATURE: 122 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2462	PSI	
INITIAL FLOW PERIOD	MIN: 55	(B) 73	PSI TO (C) 152	PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1070	PSI	
FINAL FLOW PERIOD	MIN: 60	(E) 152	PSI TO (F) 128	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 799	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2390	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8-15-85 TICKET #10089
CUSTOMER: PLANO PETROLEUM CORPORATION LEASE: THORPE
WELL: 2-9 TEST: 3 GEOLOGIST: T.L. MCLEOD
ELEVATION (KB): 0 FORMATION: MISS/KINDERHOOK
SECTION: 9 TOWNSHIP: 28S
RANGE: 16W COUNTY: KIOWA STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2462	PSI
(B) FIRST INITIAL FLOW PRESSURE:	73	PSI
(C) FIRST FINAL FLOW PRESSURE:	152	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1070	PSI
(E) SECOND INITIAL FLOW PRESSURE:	152	PSI
(F) SECOND FINAL FLOW PRESSURE:	128	PSI
(G) FINAL CLOSED-IN PRESSURE:	799	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2390	PSI
WELL TEMPERATURE:	122	'F

OPEN TOOL: 12:15 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	60 MIN	55 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 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	73	0	152	0	152	0	128
2	5	95	3	167	5	152	3	141
3	10	116	6	189	10	161	6	163
4	15	136	9	224	15	167	9	189
5	20	83	12	264	20	184	12	216
6	25	90	15	307	25	186	15	243
7	30	122	18	364	30	213	18	275
8	35	136	21	423	35	213	21	306
9	40	127	24	474	40	128	24	342
10	45	136	27	525	45	126	27	378
11	50	171	30	589	50	126	30	415
12	55	152	33	654	55	127	33	460
13			36	715	60	128	36	504
14			39	772			39	550
15			42	828			42	591
16			45	877			45	632
17			48	923			48	673
18			51	965			51	713
19			54	1005			54	749
20			57	1042			57	783
21			60	1070			60	799
22								
23								
24								
25								
26								
27								
28								
29								
30								