WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 18298

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

Elevation _____ Formation Miss Eff. Pay — Ft.

District Pratt Date 2/9/83 Customer Order No. —

COMPANY NAME Reach Drlg Co — Petroleum Mgmt Corp.

ADDRESS 3751 E. Douglas Wichita, Ks 67218

LEASE AND WELL NO. Hunter #1 COUNTY Harper STATE Ks Sec. 6 Twp. 31 Rge. 7W

Mail Invoice To Same #1 HUNTER No. Copies Requested 5
Co Name Address

Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 1 Interval Tested From 4380 ft. to 4395 ft. Total Depth 4395 ft.

Packer Depth 4375 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 4380 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4384 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4383 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Reach Drlg Rig #2 Drill Collar Length 250 I. D. 2 1/4 in.

Mud Type Starch Viscosity 42 Weight Pipe Length — I. D. — in.

Weight 9.6 Water Loss 15.2 cc. Drill Pipe Length 4109 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 DD in.

Jars: Make — Serial Number — Anchor Length 15 ft. Size 5 1/2 DD in.

Did Well Flow? Yes 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 1/2 FH in.

Blow: Strong blow throughout flow periods
Gas to surface in 28 min on preflow See attached sheet for gas measurements

Recovered 150 ft. of Gas, Cut Mud (Few specks of oil)

Recovered 60 ft. of Watery Gassy Mud (Few specks of oil)

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Remarks: Tite Hole

RECEIVED
FEB 11 1983

Time On Location 11:30 A.M. Time Pick Up Tool 1:00 P.M. Time Off Location 9:00 P.M.

Time Set Packer(s) 2:40 P.M. Time Started Off Bottom 6:25 P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure		(A)	2315	P.S.I.	
Initial Flow Period	Minutes 30	(B)	42	P.S.I. to (C)	63 P.S.I.
Initial Closed In Period	Minutes 60	(D)	1441	P.S.I.	
Final Flow Period	Minutes 45	(E)	52	P.S.I. to (F)	74 P.S.I.
Final Closed In Period	Minutes 90	(G)	1441	P.S.I.	
Final Hydrostatic Pressure		(H)	2394	P.S.I.	

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 R. L. White
Signature of Customer or his authorized representative

Western Representative Jim Wondra Thank You

FIELD INVOICE

Open Hole Test	$ 675
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 675

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 2817

Date 2/9/83 Ticket 18298 Company Reach Pet

Well Name and No. Hunter #1 Dst No. 1 Interval Tested 4380-4395

County Harper State Ks Sec. 6 Twp. 31 Rg. 7

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		Gas to surface in 28 min
30	19 H2O	½"			ok. 27,300 C.F.P.D.
			SECOND FLOW		
5	30 H2O	½"			ok. 34,300 C.F.P.D
15	16"	"			ok 25,100 "
25	16"	"			" "
35	15"	"			ok. 24,500 "
45	"	"			" "

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 9

WESTERN TESTING CO., INC.

Pressure Data

Date 2-9 | Test Ticket No. 18298

Recorder No. 13547 | Capacity 4225 | Location 4384 Ft

Clock No. — — — — | Elevation | Well Temperature 121 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2313 P.S.I.	Open Tool	2:40 PM	
B	First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	30 Mins.	30 Mins
C	First Final Flow Pressure	68 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins
D	Initial Closed-in Pressure	1443 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins
E	Second Initial Flow Pressure	59 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins
F	Second Final Flow Pressure	78 P.S.I.			
G	Final Closed-in Pressure	1443 P.S.I.			
H	Final Hydrostatic Mud	2256 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.		Press.
P 1	0	54
P 2	5	55
P 3	10	60
P 4	15	65
P 5	20	66
P 6	25	67
P 7	30	68
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: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	68
3	265
6	579
9	814
12	985
15	1090
18	1164
21	1220
24	1262
27	1294
30	1323
33	1345
36	1365
39	1382
42	1397
45	1409
48	1419
51	1429
54	1437
57	1443
~~60~~	

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	59
5	67
10	68
15	69
20	71
25	73
30	75
35	76
40	77
45	78
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 29 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	78
3	590
6	797
9	927
12	1021
15	1088
18	1140
21	1182
24	1212
27	1242
30	1265
33	1287
36	1305
39	1319
42	1334
45	1347
48	1359
51	1370
54	1378
57	1388
60	1396

WESTERN TESTING CO., INC.

Pressure Data

Date_____ Test Ticket No. 18298

Recorder No._____ Capacity_____ Location_____ F

Clock No._____ Elevation_____ Well Temperature_____ °

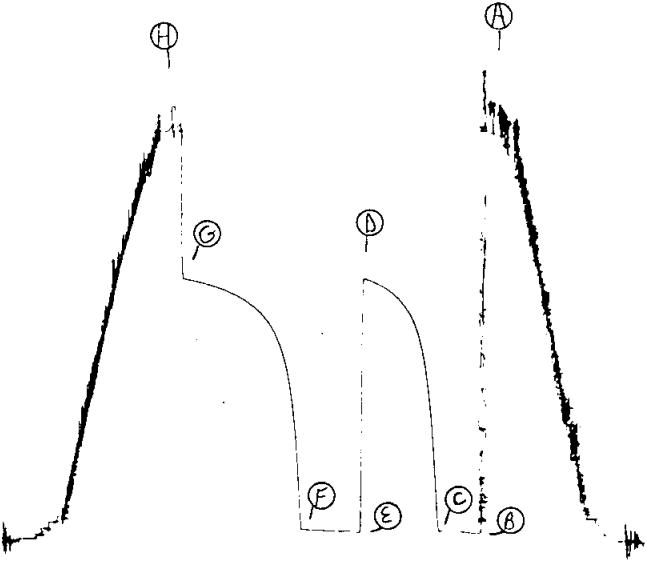
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins
E Second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

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown:____ Inc.	Breakdown:____ Inc.	Breakdown:____ Inc.	Breakdown:____ Inc.
of 5 mins. and a	of 3 mins. and a	of 5 mins. and a	of 3 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1403
P 2		66				66	1410
P 3		69				69	1417
P 4		72				72	1423
P 5		75				75	1429
P 6		78				78	1433
P 7		81				81	1437
P 8		84				84	1440
P 9		87				87	1443
P10		90				90	
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

IKT # 18298



Company Reach Petroleum Corporation Lease & Well No. #1 Hunter

Elevation --- Formation Mississippi Effective Pay -- Ft. Ticket No. 18298

Date 2/9/83 Sec. 6 Twp. 31S Range 7W County Harper State Kansas

Test Approved by R. H. White Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4380 ft. to 4395 ft. Total Depth 4395 ft.

Packer Depth 4375 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4380 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4384 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4387 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Reach Drilling Rig #2 Drill Collar Length 250 I. D. 2¼ in.

Mud Type starch Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 15.2 cc. Drill Pipe Length 4109 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 15 ft. Size 5½OD in.

Did Well Flow? Yes 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 4½FH in.

Blow: Strong blow throughout flow periods. Gas to surface in twenty-eight minutes on pre-flow. See attached sheet for gas measurements.

Recovered 150 ft. of gas cut mud (few specks of oil)

Recovered 60 ft. of watery gassy mud (few specks of oil)

Recovered ft. of

Recovered ft. of

Recovered ft. of TIGHT HOLE

Remarks:

Time Set Packer(s) 2:40 A.M./P.M. Time Started Off Bottom 6:25 A.M./P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure			(A) 2313	P.S.I.		
Initial Flow Period	Minutes 30	(B) 54	P.S.I. to	(C) 68	P.S.I.	
Initial Closed In Period	Minutes 57	(D) 1443	P.S.I.			
Final Flow Period	Minutes 45	(E) 59	P.S.I. to	(F) 78	P.S.I.	
Final Closed In Period	Minutes 87	(G) 1443	P.S.I.			
Final Hydrostatic Pressure			(H) 2256	P.S.I.		

GAS FLOW REPORT

Date 2/9/83 Ticket 18298 Company Reach Petroleum Corporation

Well Name and No. #1 Hunter Dst No. 1 Interval Tested 4380'-4395'

County Harper State Kansas Sec. 6 Twp. 31S Rg. 7W

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						
Gas to surface in 28 minutes.						
30 min.	19"	of water	1/2"	orifice		27,300 CFPD
SECOND FLOW						
5 min.	30"	of water	1/2"	orifice		34,300 CFDP
15 min.	16"	of water	1/2"	orifice		25,100 CFPD
25 min.	16"	of water	1/2"	orifice		25,100 CFPD
35 min.	15"	of water	1/2"	orifice		24,500 CFPD
45 min.	15"	of water	1/2"	orifice		24,500 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled --- Date to be Invoiced 2/9/83

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 Reach Petroleum Corporation

Authorized by R. H. White

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 2/9/83 Test Ticket No. 18298

Recorder No. 13547 Capacity 4225 Location 4384 Ft.

Clock No. --- Elevation --- Well Temperature 121 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2313	P.S.I.	Open Tool	2:40P	M		
B	First Initial Flow Pressure	54	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	68	P.S.I.	Initial Closed-in Pressure	60	Mins.	57	Mins.
D	Initial Closed-in Pressure	1443	P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E	Second Initial Flow Pressure	59	P.S.I.	Final Closed-in Pressure	90	Mins.	87	Mins.
F	Second Final Flow Pressure	78	P.S.I.					
G	Final Closed-in Pressure	1443	P.S.I.					
H	Final Hydrostatic Mud	2256	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	54
P 2	5	55
P 3	10	60
P 4	15	65
P 5	20	66
P 6	25	67
P 7	30	68
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	68
	3	265
	6	579
	9	814
	12	985
	15	1090
	18	1164
	21	1220
	24	1262
	27	1294
	30	1323
	33	1345
	36	1365
	39	1382
	42	1397
	45	1409
	48	1419
	51	1429
	54	1437
	57	1443

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	59
	5	67
	10	68
	15	69
	20	71
	25	73
	30	75
	35	76
	40	77
	45	78

Final Shut-In
Breakdown: 29 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	78
	3	590
	6	797
	9	927
	12	1021
	15	1088
	18	1140
	21	1182
	24	1212
	27	1242
	30	1265
	33	1287
	36	1303
	39	1319
	42	1334
	45	1347
	48	1359
	51	1370
	54	1378
	57	1388
	60	1396

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 2/9/83 Test Ticket No. 18298

Recorder No. 13547 Capacity 4225 Location 4384 Ft.

Clock No. --- Elevation --- Well Temperature 121 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2313	P.S.I.	Open Tool	2:40P	M		
B	First Initial Flow Pressure	54	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	68	P.S.I.	Initial Closed-in Pressure	60	Mins.	57	Mins.
D	Initial Closed-in Pressure	1443	P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E	Second Initial Flow Pressure	59	P.S.I.	Final Closed-in Pressure	90	Mins.	87	Mins.
F	Second Final Flow Pressure	78	P.S.I.					
G	Final Closed-in Pressure	1443	P.S.I.					
H	Final Hydrostatic Mud	2256	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 29 Inc. of 3 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1403
P 2						66	1410
P 3						69	1417
P 4						72	1423
P 5						75	1429
P 6						78	1433
P 7						81	1437
P 8						84	1440
P 9						87	1443
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No. 18206

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

Elevation _____ Formation SS _____ Eff. Pay _____ Ft.

District Pratt Date 2-11-83 Customer Order No. _____

COMPANY NAME Reach Pet. Corp.

ADDRESS 3751 E. Douglas Wichita, Ks. 67218

LEASE AND WELL NO. #1 Hunter COUNTY Harper STATE Ks. Sec. 6 Twp. 31 Rge. 7W

Mail Invoice To #1 HUNTER No. Copies Requested _____
Co. Name Address

Mail Charts To _____ No. Copies Requested _____
Address

Formation Test No. 2 Interval Tested From 4744 ft. to 4755 ft. Total Depth 4755 ft.

Packer Depth 4739 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 4744 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4747 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4750 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Reach Drlg Rig #2 Drill Collar Length 250' I. D. 2.2 in.

Mud Type STARCH/SaltMud Viscosity 47 Weight Pipe Length — I. D. — in.

Weight 9.8 Water Loss 10.4 cc. Drill Pipe Length 4473 I. D. 3.8 in.

Chlorides 25,000 P.P.M. Test Tool Length 21' ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 11 ft. Size 5 1/2 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 1/2 x in.

Blow: STRONG - gas to Surface immediatly into Initial Shut-In. See Flow Chart #1 @ 16,000 CFD

Recovered 60 ft. of Drlg mud w/a Very Slight Oil STAIN.

Recovered 800 ft. of 22% Gas 3% Drlg mud 30% wtr 45% Oil

Recovered 375 ft. of Wtry Oil w/ 10% wtr 90% oil

Recovered 465 ft. of Free Oil w/ 41 gravity @ 33°

Recovered 1520 ft. of Wtr w/ 60,000 ppm Clorides.

Remarks: ALL Fluid Very Gassy! Left 7 Jars Read Bottom Chart!

Time On Location 12:30 A.M. P.M. Time Pick Up Tool 4:15 A.M. P.M. Time Off Location 4:30 A.M. P.M.

Time Set Packer(s) 6:00 A.M. P.M. Time Started Off Bottom 9:45 A.M. P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure			(A)	2554	P.S.I.	
Initial Flow Period	Minutes	30	(B)	177	P.S.I. to (C)	753 P.S.I.
Initial Closed In Period	Minutes	60	(D)	1670	P.S.I.	
Final Flow Period	Minutes	45	(E)	881	P.S.I. to (F)	1287 P.S.I.
Final Closed In Period	Minutes	90	(G)	1670	P.S.I.	
Final Hydrostatic Pressure			(H)	2440	P.S.I.	

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 R.A. White R.A. White
Signature of Customer or his authorized representative

Western Representative Mike Rogers Thank You!

RECEIVED FEB 15 1983

FIELD INVOICE

Open Hole Test	$ 675.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 675.00

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 4112

Date 2-11-83 Ticket 18206 Company Reach Pet. Corp.

Well Name and No. #1 Hunter Dst No. 2 Interval Tested 4744-55'

County Harper State Ks. Sec. 6 Twp. 31 Rg. 7

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					
SECOND FLOW					
	PSI				
05	6.0	1/4			OK. 22,900 CFD
10	6.5	1/4			OK. 23,900 "
20	~~In. Ho.~~ 6.0	1/2			OK. 15,400 "
30	6.0	1/2			15,400 "
40	7.0	1/2			OK. 16,700 "
45	6.5	1/2			OK. 16,000 "

GAS BOTTLE

Serial No. ~~#~~ 80 Date Bottle Filled 2-11-83 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 Reach Pet. Corp.

Authorized by RA Wht

FORM WTC 9

WESTERN TESTING CO., INC.

Pressure Data

Date 2-11 Test Ticket No. 18206

Recorder No. 3086 Capacity 4500 Location 4750 Ft

Clock No. — — — — Elevation ——— Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2562	P.S.I.
B	First Initial Flow Pressure	200	P.S.I.
C	First Final Flow Pressure	772	P.S.I.
D	Initial Closed-in Pressure	1681	P.S.I.
E	Second Initial Flow Pressure	876	P.S.I.
F	Second Final Flow Pressure	1292	P.S.I.
G	Final Closed-in Pressure	1677	P.S.I.
H	Final Hydrostatic Mud	2431	P.S.I.

	Time Given	Time Computed
Open Tool	6:00 PM	
First Flow Pressure	30 Mins.	35 Mins
Initial Closed-in Pressure	60 Mins.	60 Mins
Second Flow Pressure	45 Mins.	45 Mins
Final Closed-in Pressure	90 Mins.	90 Mins

PRESSURE BREAKDOWN

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

Point Mins.		Press.
P 1	0	200
P 2	5	283
P 3	10	359
P 4	15	454
P 5	20	551
P 6	25	646
P 7	30	734
P 8	35	772
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point Minutes	Press.
0	772
3	1654
6	1672
9	1675
12	1677
15	1679
18	1680
21	1681
24	
27	
30	1681
33	
36	
39	
42	
45	1681
48	
51	
54	
57	
60	1681

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	876
5	878
10	924
15	990
20	1051
25	1111
30	1162
35	1208
40	1258
45	1292
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	1292
3	1670
6	1672
9	1673
12	1674
15	1675
18	1676
21	1677
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	1677

WTC - 4

WESTERN TESTING CO., INC.
Pressure Data

Date_____ Test Ticket No. 18206

Recorder No._____ Capacity_____ Location_____ F

Clock No._____ Elevation_____ Well Temperature_____°

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Min
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Min
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Min
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Min
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

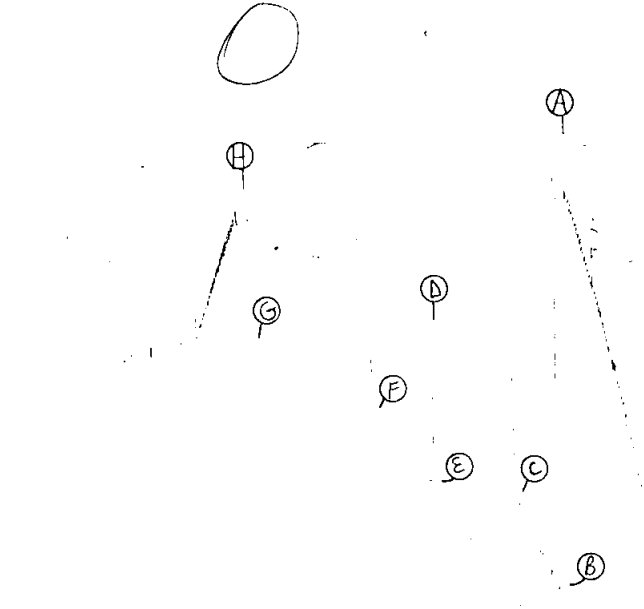
PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown:____ Inc.	Breakdown:____ Inc.	Breakdown:____ Inc.	Breakdown:____ Inc.
of 5 mins. and a	of 3 mins. and a	of 5 mins. and a	of 3 mins. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1677
P 2		66				66	
P 3		69				69	
P 4		72				72	
P 5		75				75	
P 6		78				78	
P 7		81				81	
P 8		84				84	
P 9		87				87	
P10		90				90	1677
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

WTC - 4

IKT # 18206



Company Reach Petroleum Corporation | Lease & Well No. #1 Hunter

Elevation --- | Formation Simpson Sand | Effective Pay -- Ft. | Ticket No. 18206

Date 2/11/83 | Sec. 6 | Twp. 31S | Range 7W | County Harper | State Kansas

Test Approved by R. H. White | Western Representative Mike Rogers

Formation Test No. 2 | Interval Tested from 4744 ft. to 4755 ft. | Total Depth 4755 ft.

Packer Depth 4739 ft. | Size 6 5/8 in. | Packer Depth -- ft. | Size - in.

Packer Depth 4744 ft. | Size 6 5/8 in. | Packer Depth --- ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4747 ft. | Recorder Number 1566 | Cap. 4300

Bottom Recorder Depth (Outside) 4750 ft. | Recorder Number * 3086 | Cap. 4500

Below Straddle Recorder Depth - ft. | Recorder Number - | Cap. -

Drilling Contractor Reach Drilling Rig #2 | Drill Collar Length 250 | I. D. 2.2 in.

Mud Type starch/salt/mud | Viscosity 47 | Weight Pipe Length = | I. D. = in.

Weight 9.8 | Water Loss 10.4 cc. | Drill Pipe Length 4473 | I. D. 3.8 in.

Chlorides 25,000 P.P.M. | Test Tool Length 21 ft. | Tool Size 5½ in.

Jars: Make - | Serial Number - | Anchor Length 11 ft. | Size 5½ 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 4½XH in.

Blow: Strong . Gas to surface immediately into initial shut-in. See attached sheet for gas measurements.

Recovered 60 ft. of drilling mud with a very slight oil stain

Recovered 800 ft. of 22% gas;3% drilling mud;30% water;45% oil

Recovered 375 ft. of watery oil with 10% water;90% oil

Recovered 465 ft. of free oil with 41 Gravity @ 33° F

Recovered 1520 ft. of watery with 60,000 ppm chlorides

Remarks:

All fluid very gassy.

* Read bottom chart.

Time Set Packer(s) 6:00 ~~A.M.~~ P.M. | Time Started Off Bottom 9:45 ~~A.M.~~ P.M. | Maximum Temperature 124°

Initial Hydrostatic Pressure			(A) 2562 P.S.I.			
Initial Flow Period	Minutes 35	(B) 200 P.S.I.	to (C) 772 P.S.I.			
Initial Closed In Period	Minutes 60	(D) 1681 P.S.I.				
Final Flow Period	Minutes 45	(E) 876 P.S.I.	to (F) 1292 P.S.I.			
Final Closed In Period	Minutes 90	(G) 1677 P.S.I.				
Final Hydrostatic Pressure			(H) 2431 P.S.I.			

GAS FLOW REPORT

Date 2/11/83 Ticket 18206 Company Reach Petroleum Corporation

Well Name and No. #1 Hunter Dst No. 2 Interval Tested 4744'-4755'

County Harper State Kansas Sec. 6 Twp. 31S Rg. 7W

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						
SECOND FLOW						
5 min.	6.0 PSIG		1/4" orifice			22,900 CFPD
10min.	6.5 PSIG		1/4" orifice			23,900 CFPD
20 min.	6" of water		1/2" orifice			15,400 CFPD
30 min.	6" of water		1/2" orifice			15,400 CFPD
40 min.	7" of water		1/2" orifice			16,700 CFPD
45 min.	6.5" of water		1/2"orifie			16,000 CFPD

GAS BOTTLE

Serial No. 80 Date Bottle Filled 2/11/83 Date to be Invoiced 2/11/83

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 Reach Petroleum Corporation

Authorized by R. H. White

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 2/11/83 Test Ticket No. 18206

Recorder No. 3086 Capacity 4500 Location 4750 Ft.

Clock No. --- Elevation ---- Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2562	P.S.I.
B	First Initial Flow Pressure	200	P.S.I.
C	First Final Flow Pressure	772	P.S.I.
D	Initial Closed-in Pressure	1681	P.S.I.
E	Second Initial Flow Pressure	876	P.S.I.
F	Second Final Flow Pressure	1292	P.S.I.
G	Final Closed-in Pressure	1677	P.S.I.
H	Final Hydrostatic Mud	2431	P.S.I.

	Time Given	Time Computed
Open Tool	6:00P M	
First Flow Pressure	30 Mins.	35 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	90 Mins.	90 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	200
P 2 5	283
P 3 10	359
P 4 15	454
P 5 20	551
P 6 25	646
P 7 30	734
P 8 35	772
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	772
3	1654
6	1672
9	1675
12	1677
15	1679
18	1680
21	1681
24	1681
27	1681
30	1681
33	1681
36	1681
39	1681
42	1681
45	1681
48	1681
51	1681
54	1681
57	1681
60	1681

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	876
5	878
10	924
15	990
20	1051
25	1111
30	1162
35	1208
40	1258
45	1292

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	1292
3	1680
6	1672
9	1673
12	1674
15	1675
18	1676
21	1677
24	1677
27	1677
30	1677
33	1677
36	1677
39	1677
42	1677
45	1677
48	1677
51	1677
54	1677
57	1677
60	1677

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WESTERN TESTING CO., INC.
Pressure Data

Date 2/11/83 Test Ticket No. 18206

Recorder No. 3086 Capacity 4500 Location 4750 Ft

Clock No. --- Elevation ---- Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2562 P.S.I.	Open Tool		6:00P M	
B	First Initial Flow Pressure	200 P.S.I.	First Flow Pressure		30 Mins.	35 Mins
C	First Final Flow Pressure	772 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins
D	Initial Closed-in Pressure	1681 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins
E	Second Initial Flow Pressure	876 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins
F	Second Final Flow Pressure	1292 P.S.I.				
G	Final Closed-in Pressure	1677 P.S.I.				
H	Final Hydrostatic Mud	2431 P.S.I.				

PRESSURE BREAKDOWN

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

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

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1										63	1677
P 2										66	1677
P 3										69	1677
P 4										72	1677
P 5										75	1677
P 6										78	1677
P 7										81	1677
P 8										84	1677
P 9										87	1677
P10										90	1677
P11											
P12											
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											