



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7198

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation _____ Formation lansing Eff. Pay _____ Ft.

COMPANY NAME Petex Inc. District WAKEENY Date 5-22-85 Customer Order No. _____

ADDRESS RR2 Box 553 Roversville MO 65742

LEASE AND WELL NO. BRIGGS "A" #1 COUNTY GOVE STATE KS Sec. 28 Twp. 14 Rge. 28W

Mail Invoice To _____ Co. Name SAME Address _____ No. Copies Requested 266

Mail Charts To _____ Co. Name #1 "A" BRIGGS Address _____ No. Copies Requested 11

Formation Test No. 1 Interval Tested From 3936 ft. to 3970 ft. Total Depth 3970 ft.

Packer Depth 3936 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3936 ft. Size 11 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3927 ft. Recorder Number 4339 Cap. 4300

Bottom Recorder Depth (Outside) 3980 ft. Recorder Number 13271 Cap. 4400

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

Drilling Contractor Blue house Drill Collar Length 300 I. D. 2.2 in.

Mud Type DRIS Viscosity 75 Weight Pipe Length _____ I. D. _____ in.

Weight 9.1 Water Loss 8.4 cc. Drill Pipe Length 3612 I. D. 3.8 in.

Chlorides 51000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.

Jars: Make no Serial Number _____ Anchor Length 34 ft. Size 11 in.

Did Well Flow? no Reversed Out _____ Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: 1FP - weak blow died in 10 min.

1FP - no blow

Recovered 10 ft. of mud w/ few oil spots

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 4,000 P.P.M. Sample Jars used _____ Remarks: TOOK 57id 3 to 4 ft to

Bottom

Time On Location 9:30 A.M. Time Pick Up Tool 11:15 A.M. Time Off Location 6:30 A.M.

Time Set Packer(s) 12:50 A.M. Time Started Off Bottom 2:50 A.M.

Initial Hydrostatic Pressure _____ (A) 1917 P.S.I. Maximum Temperature 104

Initial Flow Period _____ Minutes 30 (B) 45 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 68 P.S.I.

Final Flow Period _____ Minutes 30 (E) 45 P.S.I. to (F) 45 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 45 P.S.I.

Final Hydrostatic Pressure _____ (H) 1906 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 P. San Houston
Signature of Customer or his authorized representative

Western Representative Tha Kyau

FIELD INVOICE

Open Hole Test \$ 550
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ 46
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ 596

WESTERN TESTING CO., INC.

Pressure Data

Date 5-22-85

Test Ticket No. 7198

Recorder No. 4339

Capacity 4300

Location _____ Ft

Clock No. _____ Elevation _____

Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1928</u> P.S.I.			M
B First Initial Flow Pressure	<u>65</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	Mins.
C First Final Flow Pressure	<u>65</u> P.S.I.	Initial Closed-in Pressure	<u>1</u> Mins.	Mins.
D Initial Closed-in Pressure	<u>81</u> P.S.I.	Second Flow Pressure	<u>1</u> Mins.	Mins.
E Second Initial Flow Pressure	<u>68</u> P.S.I.	Final Closed-in Pressure	<u>1</u> Mins.	Mins.
F Second Final Flow Pressure	<u>69</u> P.S.I.			
G Final Closed-in Pressure	<u>74</u> P.S.I.			
H Final Hydrostatic Mud	<u>1917</u> P.S.I.			

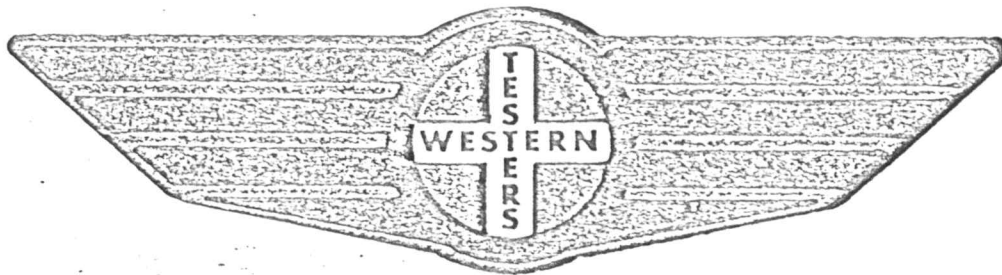
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>65</u>	0	<u>65</u>	0	<u>68</u>	0	<u>69</u>
P 2 5	<u>65</u>	3	<u>66</u>	5	<u>1</u>	3	<u>70</u>
P 3 10	<u>1</u>	6	<u>67</u>	10	<u>1</u>	6	<u>71</u>
P 4 15	<u>1</u>	9	<u>69</u>	15	<u>68</u>	9	<u>72</u>
P 5 20	<u>1</u>	12	<u>71</u>	20	<u>69</u>	12	<u>73</u>
P 6 25	<u>1</u>	15	<u>73</u>	25	<u>69</u>	15	<u>73</u>
P 7 30	<u>65</u>	18	<u>75</u>	30	<u>69</u>	18	<u>74</u>
P 8 35		21	<u>77</u>	35		21	<u>74</u>
P 9 40		24	<u>79</u>	40		24	<u>74</u>
P 10 45		27	<u>80</u>	45		27	<u>74</u>
P 11 50		30	<u>81</u>	50		30	
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETEX, INC. Lease & Well No. #1 "A" BRIGGS Sec. 28 Twp. 14S Rge. 28W Test No. 1 Date 5/22/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 5-22-85
CUSTOMER: PETEX INC.
WELL: 1
ELEVATION (KB): 0
SECTION: 28
RANGE: 28W
GAUGE SN #4339

TEST: 1
COUNTY: GOVE
RANGE: 4300

TICKET #7198
LEASE: "A" BRIGGS
GEOLOGIST: P. SAM HOUSTON
FORMATION: LANSING
TOWNSHIP: 14S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3936 FT TO: 3970 FT TOTAL DEPTH: 3970 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3931 FT SIZE: 6 3/4 IN PACKER DEPTH: 3936 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BLUE GOOSE DRG.
MUD TYPE: DRISPA VISCOSITY: 45
WEIGHT: 9.1 WATER LOSS (CC): 8.4

CHLORIDES (P.P.M.): 5000

JARS - MAKE: NO

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT?

DRILL COLLAR LENGTH: 300

FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 3612

FT I.D.: 3.8 IN

TEST TOOL LENGTH: 24

FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 34

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;
DIED IN 10 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 10	FT	OF: MUD WITH A FEW OIL SPOTS.
RECOVERED:	FT	OF: CHLORIDES 6000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: TOOL SLID 3 TO 4 FEET TO BOTTOM.

TIME SET PACKER(S): 12:50 AM

TIME STARTED OFF BOTTOM: 2:50 AM

WELL TEMPERATURE: 104 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1928 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 65 PSI TO (C) 65 PSI

INITIAL CLOSED IN PERIOD MIN: 30

(D) 81 PSI

FINAL FLOW PERIOD MIN: 30

(E) 68 PSI TO (F) 69 PSI

FINAL CLOSED IN PERIOD MIN: 27

(G) 74 PSI

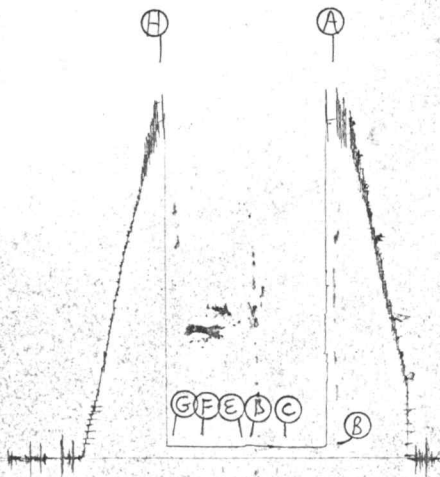
FINAL HYDROSTATIC PRESSURE

(H) 1917 PSI

4339

TKT # 7198

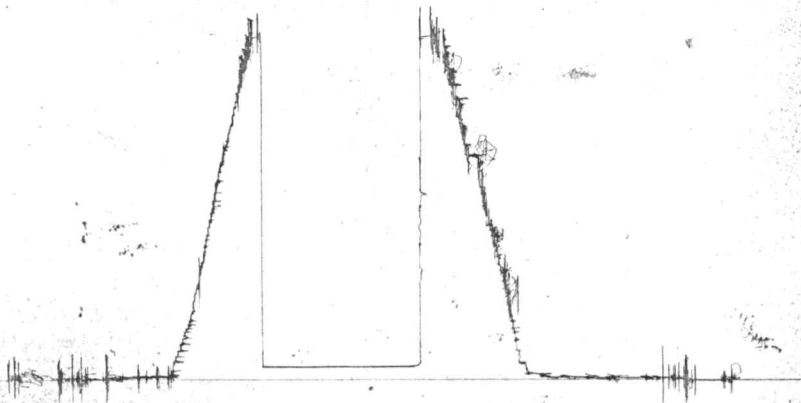
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13271

TKT # 7198

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 7199

P. O. BOX 1599 PHONE (316) 262-5861

Elevation _____ Formation hancing Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District WAKEENY Date 5-23-85 Customer Order No. _____

COMPANY NAME PETEX INC

ADDRESS Box 553 ROGERSVILLE MO. 65742

LEASE AND WELL NO. BRIGGS A#1 COUNTY LOOSE STATE KS Sec. 28 Twp. 14 Rge. 28

Mail Invoice To _____ No. Copies Requested REL

Co. Name #1 "A" BRIGGS Address _____ No. Copies Requested 11

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 2 Interval Tested From 3967 ft. to 4000 ft. Total Depth 4000 ft.

Packer Depth 3962 ft. Size 6.514 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3967 ft. Size 11 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3987 ft. Recorder Number 4339 Cap. 4380

Bottom Recorder Depth (Outside) 3990 ft. Recorder Number 13271 Cap. 4450

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

Drilling Contractor Blue Goose Drill Collar Length 300 I. D. 2.2 in.

Mud Type DRIS Viscosity 38 Weight Pipe Length _____ I. D. _____ in.

Weight 7.4 Water Loss 12.0 cc. Drill Pipe Length 3645 I. D. 3.8 in.

Chlorides 4500 P.P.M. Test Tool Length 22 ft. Tool Size 5-1/2 in.

Jars: Make NO Serial Number _____ Anchor Length 33 ft. Size 11 in.

Did Well Flow? NO Reversed Out _____ Surface Choke Size 3-1/4 in. Bottom Choke Size 3-1/4 in.

Main Hole Size 7-7/8 in. Tool Joint Size 4-1/2 in.

Blow: weak died in 12 min.

FFP- no blow

Recovered 10 ft. of mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 6,000 P.P.M. Sample Jars used 2 Remarks: Tool slid 2 ft.

Time On Location 11:50 A.M. Time Pick Up Tool 12:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 1:00 P.M. Time Started Off Bottom 4:00 P.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) 1961 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 45 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 123 P.S.I.

Final Flow Period _____ Minutes 45 (E) 45 P.S.I. to (F) 45 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 775 P.S.I.

Final Hydrostatic Pressure _____ (H) 7928 P.S.I.

COMPANY TERMS

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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 _____

Signature of Customer or his authorized representative

Western Representative _____

FIELD INVOICE

Open Hole Test \$ ✓

Misrun \$ _____

Straddle Test \$ _____

Jars \$ _____

Selective Zone \$ _____

Safety Joint \$ 65

Standby \$ _____

Evaluation \$ _____

Extra Packer \$ _____

Circ. Sub. \$ _____

Mileage \$ _____

Fluid Sampler \$ _____

Extra Charts \$ _____

Insurance \$ _____

Telecopier \$ _____

TOTAL \$ _____

WESTERN TESTING CO., INC.

Pressure Data

Date 5-23-85 Test Ticket No. 7199
 Recorder No. 4339 Capacity 4300 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1965</u> P.S.I.	Open Tool		M
B. First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	Mins.
C. First Final Flow Pressure	<u>58</u> P.S.I.	Initial Closed-in Pressure	<u>1</u> Mins.	Mins.
D. Initial Closed-in Pressure	<u>740</u> P.S.I.	Second Flow Pressure	<u>1</u> Mins.	Mins.
E. Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>1</u> Mins.	Mins.
F. Second Final Flow Pressure	<u>65</u> P.S.I.			
G. Final Closed-in Pressure	<u>312</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1937</u> P.S.I.			

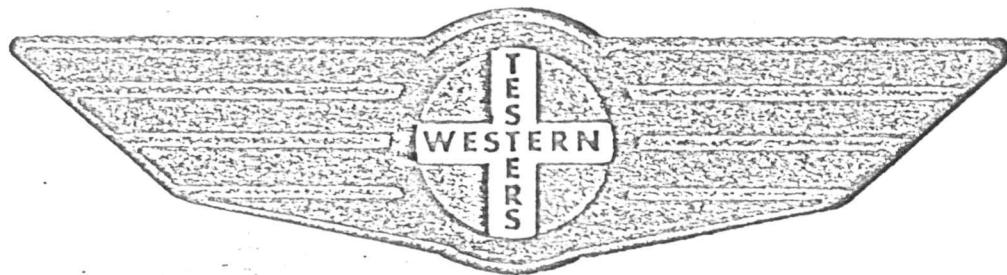
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>10</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>15</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>51</u>	0	<u>58</u>	0	<u>63</u>	0	<u>65</u>
P 2 5	<u>51</u>	3	<u>60</u>	5	<u>63</u>	3	<u>67</u>
P 3 10	<u>52</u>	6	<u>62</u>	10	<u>63</u>	6	<u>72</u>
P 4 15	<u>52</u>	9	<u>72</u>	15	<u>63</u>	9	<u>76</u>
P 5 20	<u>53</u>	12	<u>91</u>	20	<u>1</u>	12	<u>79</u>
P 6 25	<u>54</u>	15	<u>131</u>	25		15	<u>81</u>
P 7 30	<u>55</u>	18	<u>215</u>	30	<u>63</u>	18	<u>86</u>
P 8 35	<u>56</u>	21	<u>341</u>	35	<u>64</u>	21	<u>95</u>
P 9 40	<u>57</u>	24	<u>472</u>	40	<u>64</u>	24	<u>110</u>
P10 45	<u>58</u>	27	<u>580</u>	45	<u>65</u>	27	<u>130</u>
P11 50		30	<u>649</u>	50		30	<u>152</u>
P12 55		33	<u>694</u>	55		33	<u>182</u>
P13 60		36	<u>718</u>	60		36	<u>223</u>
P14 65		39	<u>731</u>	65		39	<u>278</u>
P15 70		42	<u>738</u>	70		42	<u>312</u>
P16 75		45	<u>740</u>	75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETEX, INC. Lease & Well No. #1 "A" BRIGGS Sec. 28 Twp. 14S Rge. 28W Test No. 2 Date 5/23/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 5-23-85
CUSTOMER: PETEX INC.
WELL: 1
ELEVATION (KB): 0
SECTION: 28
RANGE: 28W
GAUGE SN #4339

TEST: 2
COUNTY: GOVE
RANGE: 4300

TICKET #7199
LEASE: "A" BRIGGS
GEOLOGIST: P. SAM HOUSTON
FORMATION: LANSING
TOWNSHIP: 14S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3967 FT TO: 4000 FT TOTAL DEPTH: 4000 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3962 FT SIZE: 6 3/4 IN PACKER DEPTH: 3967 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BLUE GOOSE DRLG.
MUD TYPE: DRISPAC VISCOSITY: 38
WEIGHT: 9.4 WATER LOSS (CC): 12.0

CHLORIDES (P.P.M.): 4500

JARS - MAKE: NO

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT?

DRILL COLLAR LENGTH: 300 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 3645 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 33 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;
DIED IN 12 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 10	FT	OF: MUD.
RECOVERED:	FT	OF: CHLORIDES 6000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: TOOL SLID 2 FEET.

TIME SET PACKER(S): 1:00 PM

TIME STARTED OFF BOTTOM: 4:00 PM

WELL TEMPERATURE: 0 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 45

INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 45

FINAL CLOSED IN PERIOD MIN: 42

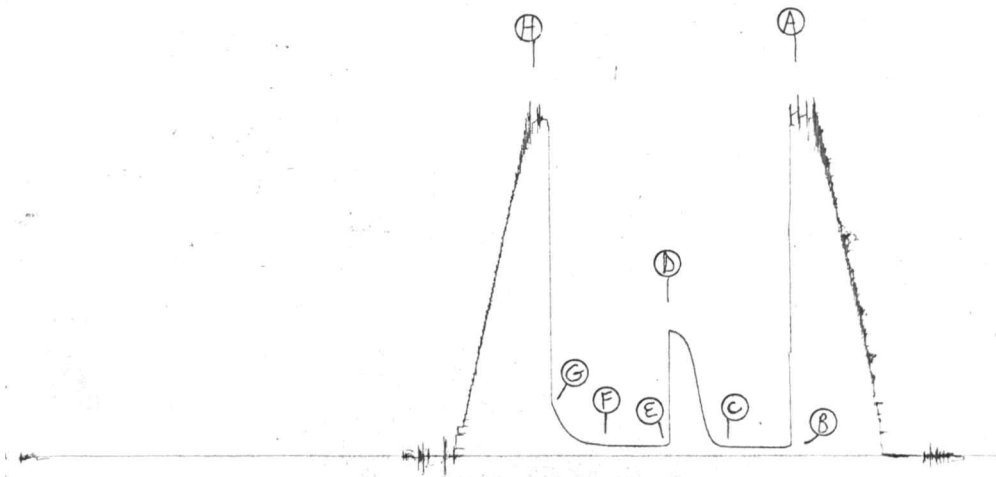
FINAL HYDROSTATIC PRESSURE

(A) 1965	PSI		
(B) 51	PSI	TO (C) 58	PSI
(D) 740	PSI		
(E) 63	PSI	TO (F) 65	PSI
(G) 313	PSI		
(H) 1937	PSI		

4329

TKT # 7199

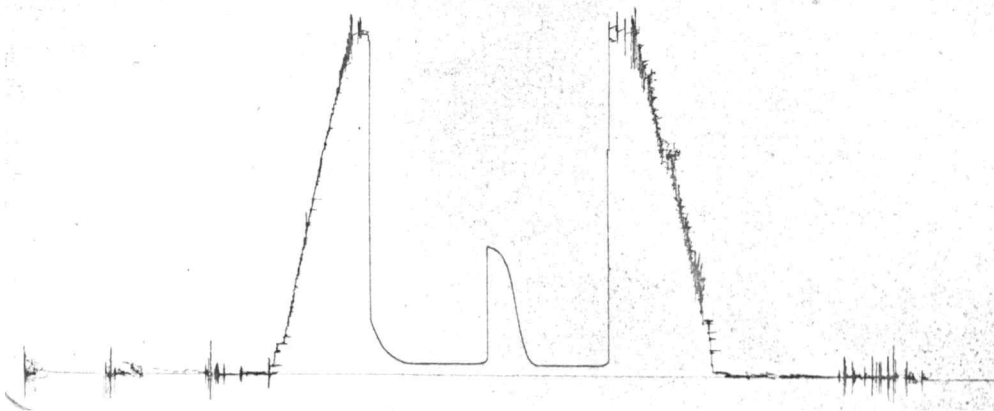
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13271.

TKT # 7199

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 7200

P. O. BOX 1599 PHONE (316) 262-5861

Elevation _____ Formation FT. Scott Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District 14 Date 5-24-85 Customer Order No. _____

COMPANY NAME Petex Inc.

ADDRESS Box 553 Rogersville MO 65742

LEASE AND WELL NO. BRIGGS A-1 COUNTY BOVE STATE KS Sec. 28 Twp. 14 Rge. 28W

Mail Invoice To _____ Co. Name #1 "A" BRIGGS Address _____ No. Copies Requested REL

Mail Charts To _____ Address _____ No. Copies Requested 11

Formation Test No. 3 Interval Tested From 4212 ft. to 4333 ft. Total Depth 4333 ft.

Packer Depth 4207 ft. Size 634 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4212 ft. Size 11 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4219 ft. Recorder Number 4339 Cap. 4300

Bottom Recorder Depth (Outside) 4222 ft. Recorder Number 14271 Cap. 4400

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

Drilling Contractor Blue Base Drill Collar Length 300 I. D. 22 in.

Mud Type DRISpac Viscosity 47 Weight Pipe Length _____ I. D. _____ in.

Weight 9.3 Water Loss 16.0 cc. Drill Pipe Length 3890 I. D. 3.8 in.

Chlorides 4500 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make no Serial Number _____ Anchor Length 30 ft Size 11 in.

Did Well Flow? no Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: PPD - weak died in 10 min.

PPD - weak blow for 5 min. then died

Recovered 300 ft. of mud

Recovered 20 ft. of watery mud chlorides 8,000 ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 5,000 P.P.M. Sample Jars used 2 Remarks: Tool slid 3 ft. to bottom

10 ft of mud lost down annulus at start of test

91 feet of drill pipe in anchor.

Time On Location 3:00 A.M. Time Pick Up Tool 6:30 A.M. Time Off Location 2:30 A.M.

Time Set Packer(s) 8:10 A.M. Time Started Off Bottom 10:10 A.M. Maximum Temperature 120

Initial Hydrostatic Pressure _____ (A) 2211 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 68 P.S.I. to (C) 136 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 1100 P.S.I.

Final Flow Period _____ Minutes 30 (E) 159 P.S.I. to (F) 170 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 1047 P.S.I.

Final Hydrostatic Pressure 2124 (H) 2124 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 P. Dan Houston

Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Open Hole Test \$ 350
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ 465
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ 615.00

D350

WESTERN TESTING CO., INC.

Pressure Data

Date 5-24 Test Ticket No. 7200
 Recorder No. 4339 Capacity 4300 Location _____ Ft
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2211</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>76</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	
C First Final Flow Pressure	<u>150</u> P.S.I.	Initial Closed-in Pressure		
D Initial Closed-in Pressure	<u>1113</u> P.S.I.	Second Flow Pressure		
E Second Initial Flow Pressure	<u>172</u> P.S.I.	Final Closed-in Pressure		
F Second Final Flow Pressure	<u>202</u> P.S.I.			
G Final Closed-in Pressure	<u>1085</u> P.S.I.			
H Final Hydrostatic Mud	<u>2164</u> P.S.I.			

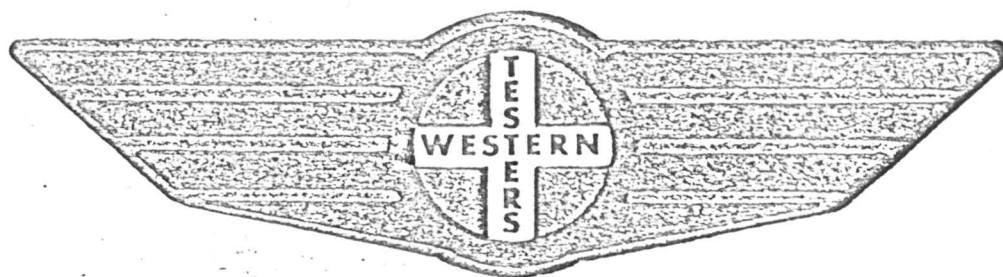
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>76</u>	0	<u>150</u>	0	<u>172</u>	0	<u>202</u>
P 2 5	<u>83</u>	3	<u>850</u>	5	<u>173</u>	3	<u>765</u>
P 3 10	<u>86</u>	6	<u>931</u>	10	<u>180</u>	6	<u>871</u>
P 4 15	<u>120</u>	9	<u>974</u>	15	<u>186</u>	9	<u>922</u>
P 5 20	<u>141</u>	12	<u>1003</u>	20	<u>195</u>	12	<u>958</u>
P 6 25	<u>145</u>	15	<u>1023</u>	25	<u>201</u>	15	<u>984</u>
P 7 30	<u>150</u>	18	<u>1041</u>	30	<u>202</u>	18	<u>1015</u>
P 8 35		21	<u>1058</u>	35		21	<u>1038</u>
P 9 40		24	<u>1086</u>	40		24	<u>1063</u>
P 10 45		27	<u>1105</u>	45		27	<u>1080</u>
P 11 50		30	<u>1113</u>	50		30	<u>1085</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PETEX, INC. Lease & Well No. #1 "A" BRUGGS Sec. 28 Twp. 14S Rge. 28W Test No. 3 Date 5/24/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 5-24-85
CUSTOMER: PETEX INC.
WELL: 1
ELEVATION (KB): 0
SECTION: 28
RANGE: 28W
GAUGE SN #4339

TEST: 3
FORMATION: FT. SCOTT
TOWNSHIP: 14S
COUNTY: GOVE
RANGE: 4300

TICKET #7200
LEASE: "A" BRIGGS
GEOLOGIST: P. SAM HOUSTON
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4212 FT TO: 4333 FT TOTAL DEPTH: 4333 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4207 FT SIZE: 6 3/4 IN Packer DEPTH: 4212 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BLUE GOOSE DRLG.
MUD TYPE: DRISPAC VISCOSITY: 47
WEIGHT: 9.3 WATER LOSS (CC): 16.0
CHLORIDES (P.P.M.): 4500
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 300 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3890 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 121 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;
DIED IN 10 MINUTES.
FINAL FLOW PERIOD WEAK BLOW FOR
5 MINUTES; THEN DEAD.

RECOVERED: 300 FT OF: MUD.
RECOVERED: 20 FT OF: WATERY MUD (CHLORIDES 18000 PPM.).
RECOVERED: FT OF: CHLORIDES 5000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

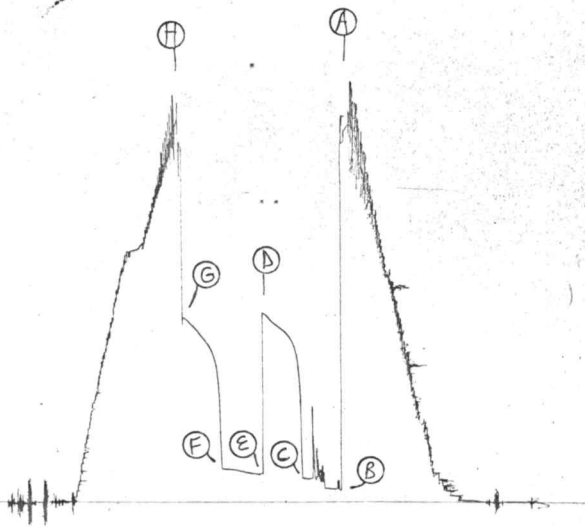
REMARKS: TOOL SLID 3 FEET TO BOTTOM.
12 FEET OF MUD LOST DOWN ANNAULUS
AT START OF TEST.
91 FEET OF DRILL PIPE IN ANCHOR.

TIME SET PACKER(S): 8:10 PM TIME STARTED OFF BOTTOM: 10:10 PM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2211 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 76 PSI TO (C) 150 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1113 PSI
FINAL FLOW PERIOD MIN: 30 (E) 172 PSI TO (F) 202 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 1085 PSI
FINAL HYDROSTATIC PRESSURE (H) 2164 PSI

4339

TKT. # 7200

I



13271

TKT # 7200

O

