



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 6515

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1737 K.B Kelly Bushing Formation LANSENG Eff. Pay Ft.

District GREAT BEND Date 8/9/80 Customer Order No.

COMPANY NAME PETROLEUM ENERGY INC.

ADDRESS SUITE 710 ONE TWENTY BUILDING WICHITA KS 67202

LEASE AND WELL NO. Smith #1-A COUNTY RICE STATE KS Sec. 20 Twp 20S Rge 10W

Mail Invoice To SAME AS ABOVE Co. Name Address No. Copies Requested 5

Mail Charts To SAME AS ABOVE Address No. Copies Requested 57

Formation Test No. 1 Interval Tested from 3160 ft. to 3186 ft. Total Depth 3186 ft. Packer Depth 3155 ft. Size 6 3/4 in. Packer Depth 3160 ft. Size 6 3/4 in. Packer Depth ft. Size in. Packer Depth ft. Size in. Depth of Selective Zone Set

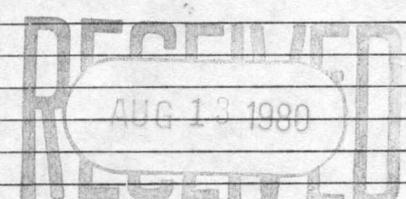
Top Recorder Depth (Inside) 3172 ft. Recorder Number 10266 Cap. 4650 Bottom Recorder Depth (Outside) 3175 ft. Recorder Number 6233 Cap. 4000 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor WHITE & ELLES Rig # 2 Mud Type STARCH/SALT/CLAY viscosity 40 Weight 10.3 Water Loss 13.4 cc. Chlorides 82,000 P.P.M. Jars: Make Serial Number Did Well Flow? NO Reversed Out NO initial flow period

Drill Collar Length 284' I. D. 2.2 in. Weight Pipe Length I. D. in. Drill Pipe Length 2855' I. D. 3.8 in. Test Tool Length 21' ft. Tool Size 4 1/2 in. Anchor Length 26' ft. Size 5 1/2 in. 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: 7SF - WEAK BLOW SLOWLY DYING 1/4" final flow period NO BLOW

Recovered 15 ft. of mud oil specks on top of tool Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of



Remarks:

Time Set Packer(s) 11:40 AM P.M. Time Started Off Bottom 1:00 AM P.M. Maximum Temperature 104 degrees Initial Hydrostatic Pressure (A) 1730 P.S.I. Initial Flow Period (B) 20 Minutes 71 P.S.I. to (C) 71 P.S.I. Initial Closed In Period (D) 20 Minutes 71 P.S.I. Final Flow Period (E) 20 Minutes 71 P.S.I. to (F) 71 P.S.I. Final Closed In Period (G) 20 Minutes 71 P.S.I. Final Hydrostatic Pressure (H) 1720 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 Dan M... D. Nixon Signature of Customer or his authorized representative

Western Representative Darrell Clapham Thank you

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$550.00), Mileage (20 \$15.00), Insurance (40.00), and TOTAL (\$605.00).

WESTERN TESTING CO., INC.
Pressure Data

Date 8-9-80 Test Ticket No. 6575
 Recorder No. 10266 Capacity 4650 Location 3192 Ft.
 Clock No. _____ Elevation 1737 XB Well Temperature 104 °F

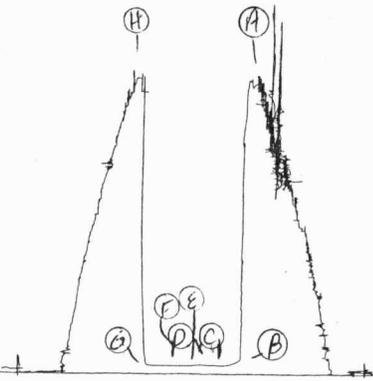
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1786</u> 1786	P.S.I.	<u>11:40 P</u>	M
B First Initial Flow Pressure	<u>85</u>	P.S.I.	<u>20</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	54 <u>54</u>	P.S.I.	<u>20</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	59 <u>59</u>	P.S.I.	<u>20</u> Mins.	<u>20</u> Mins.
E Second Initial Flow Pressure	<u>56</u>	P.S.I.	<u>30</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>54</u>	P.S.I.		
G Final Closed-in Pressure	<u>154</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1770</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>03</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>4</u> Inc.		Breakdown: <u>6</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>85</u>	0	<u>54</u>	0	<u>56</u>	0	<u>54</u>
P 2 5	<u>68</u>	3	<u>55</u>	5	<u>54</u>	3	<u>154</u>
P 3 10	<u>54</u>	6	<u>56</u>	10		6	
P 4 15	<u>54</u>	9	<u>57</u>	15		9	
P 5 20	54	12	<u>58</u>	20	<u>54</u>	12	
P 6 25	54	15	<u>59</u>	25		15	
P 7 30		18		30		18	<u>154</u>
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

Wt # 6515

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Company Petroleum Energy, Inc. Lease & Well No. Smith 'A' #1
 Elevation 1737 Kelly Bushing Lansing Formation ----- Effective Pay ----- Ft. Ticket No. 6515
 Date 8/9/80 Sec. 20 Twp. 20S Range 10W County Rice State Kansas
 Test Approved by Dan Nixon Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 3160 ft. to 3186 ft. Total Depth 3186 ft.
 Packer Depth 3155 ft. Size 6 3/4 in. Packer Depth 3160 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3172 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3175 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 284 I. D. 2.2 in.
 Mud Type starch-salt-clay Viscosity 40 Weight Pipe Length -- I. D. - in.
 Weight 10.3 Water Loss 13.4 cc. Drill Pipe Length 2855 I. D. 3.8 in.
 Chlorides 82,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 26 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 in.

Initial flow period, weak blow slowly dying to one - fourth inch.
 Blow: Final flow period no blow.

Recovered 15 ft. of mud oil specks on top of tool
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:40 ~~A.M.~~ P.M. Time Started Off Bottom 1:00 ~~A.M.~~ P.M. Maximum Temperature 104°
 Initial Hydrostatic Pressure (A) 1786 P.S.I.
 Initial Flow Period Minutes 15 (B) 85 P.S.I. to (C) 54 P.S.I.
 Initial Closed In Period Minutes 15 (D) 59 P.S.I.
 Final Flow Period Minutes 20 (E) 56 P.S.I. to (F) 54 P.S.I.
 Final Closed In Period Minutes 18 (G) 154 P.S.I.
 Final Hydrostatic Pressure (H) 1770 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8-9-80 Test Ticket No. 6515
 Recorder No. 10266 Capacity 4650 Location 3172 Ft.
 Clock No. ---- Elevation 1737 Kelly Bushing Well Temperature 104 °F

Point	Pressure		Time Given		Time Computed	
			P.	M.	Mins.	Mins.
A Initial Hydrostatic Mud	<u>1786</u>	P.S.I.	<u>11:40</u>			
B First Initial Flow Pressure	<u>85</u>	P.S.I.	<u>20</u>		<u>15</u>	
C First Final Flow Pressure	<u>54</u>	P.S.I.	<u>20</u>		<u>15</u>	
D Initial Closed-in Pressure	<u>59</u>	P.S.I.	<u>20</u>		<u>20</u>	
E Second Initial Flow Pressure	<u>56</u>	P.S.I.	<u>20</u>		<u>18</u>	
F Second Final Flow Pressure	<u>54</u>	P.S.I.				
G Final Closed-in Pressure	<u>154</u>	P.S.I.				
H Final Hydrostatic Mud	<u>1770</u>	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 5 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 6 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>85</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>54</u>
P 2	<u>5</u>	<u>68</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>154</u>
P 3	<u>10</u>	<u>54</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>154</u>
P 4	<u>15</u>	<u>54</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>154</u>
P 5		<u>58</u>	<u>12</u>	<u>58</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>154</u>
P 6		<u>59</u>	<u>15</u>	<u>59</u>			<u>15</u>	<u>154</u>
P 7							<u>18</u>	<u>154</u>
P 8								
P 9								
P10								
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 6516

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 1737 K.B Formation ARBUCKLE Eff. Pay Ft.

District GREAT BEND Date 8/10/80 Customer Order No.

COMPANY NAME PETROLEUM ENERGY INC. ADDRESS SUITE 710 120 BUSHING WICHITA KS 67202 LEASE AND WELL NO. Smith #1-A COUNTY RICE STATE Sec 20 Twp 20S Rge 10W

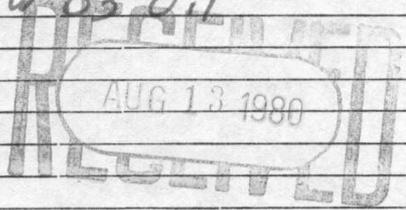
Formation Test No. 2 Interval Tested from 3255 ft. to 3285 ft. Total Depth 3285 ft. Packer Depth 3250 ft. Size 6 3/4 in.

Top Recorder Depth (Inside) 3267 ft. Recorder Number 10266 Cap. 4650 Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 6233 Cap. 4000

Drilling Contractor WASTE & ELLES Rig #2 Mud Type STARCH/SALT Viscosity 40 Weight 10.3 Water Loss 16.6 cc. Chlorides 86,000 P.P.M.

Blow: 1ST - WEAK BLOW (JUST OFF TOP OF WATER) DIED IN 10 MIN AND - NO BLOW FLUSHED TOOL NO HELP

Recovered 15 ft. of MUD RBSSO RAINBOW SHOW OIL



Time Set Packer(s) 8:45 A.M. Time Started Off Bottom 9:50 A.M. Maximum Temperature 106 degrees Initial Hydrostatic Pressure 1769 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...

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 Dan Rifer Signature of Customer or his authorized representative Western Representative Danell Chapman Thank you

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test (\$550.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage N/C, Fluid Sampler, Extra Charts, and TOTAL (\$550.00).

WESTERN TESTING CO., INC.
Pressure Data

Date 8-10-80 Test Ticket No. 6516
 Recorder No. 10266 Capacity 4650 Location 3267 Ft.
 Clock No. _____ Elevation 1737 KB Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1828</u> P.S.I.	Open Tool	<u>8:45 P M</u>	
B First Initial Flow Pressure	<u>64</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>6</u> Mins.
D Initial Closed-in Pressure	<u>58</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>10</u> Mins.	<u>9</u> Mins.
F Second Final Flow Pressure	<u>77</u> P.S.I.			
G Final Closed-in Pressure	<u>99</u> P.S.I.			
H Final Hydrostatic Mud	<u>1819</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 2 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

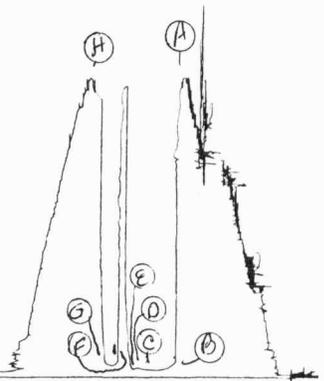
Final Shut-In
 Breakdown: 3 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>64</u>	0	<u>52</u>	0	<u>56</u>	0	<u>77</u>
P 2 5	<u>61</u>	3	<u>54</u>	5	<u>Flushed Tool</u>	3	<u>77</u>
P 3 10	<u>52</u>	6	<u>58</u>	10	<u>Flushed Tool</u>	6	<u>87</u>
P 4 15	<u>49</u>	9	.	15	<u>77</u>	9	<u>99</u>
P 5 20	<u>52</u>	12		20		12	
P 6 25		15		25		15	
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

10266

JRT #6516

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Company Petroleum Energy, Inc. Lease & Well No. Smith "A" #1
 Elevation 1737 Kelly Bushing Formation Arbuckle Effective Pay -- Ft. Ticket No. 6516
 Date 8/10/80 Sec. 20 Twp. 20S Range 10W County Rice State Kansas
 Test Approved by Dan Nixon Western Representative Darrell Claphan

Formation Test No. 2 Interval Tested from 3255 ft. to 3285 ft. Total Depth 3285 ft.
 Packer Depth 3250 ft. Size 6 3/4 in. Packer Depth 3255 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3267 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 284 I. D. 2.2 in.
 Mud Type starch-salt-clay Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 10.3 Water Loss 16.6 cc. Drill Pipe Length 2950 I. D. 3.8 in.
 Chlorides 86,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 30 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 in.

Blow: Initial flow weak blow (just off top of water)died in ten minutes.
Final flow no blow; flushed tool; no help.

Recovered 15 ft. of mud Rainbow show of oil
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 8:45 AM P.M. Time Started Off Bottom 9:50 AM P.M. Maximum Temperature 106°
 Initial Hydrostatic Pressure (A) 1828 P.S.I.
 Initial Flow Period Minutes 20 (B) 64 P.S.I. to (C) 52 P.S.I.
 Initial Closed In Period Minutes 6 (D) 58 P.S.I.
 Final Flow Period Minutes 15 (E) 56 P.S.I. to (F) 77 P.S.I.
 Final Closed In Period Minutes 9 (G) 99 P.S.I.
 Final Hydrostatic Pressure (H) 1819 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8-10-80 Test Ticket No. 6516
 Recorder No. 10266 Capacity 4650 Location 3267 Ft.
 Clock No. ----- Elevation 1737 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given		Time Computed	
			P.	M.	Mins.	Mins.
A Initial Hydrostatic Mud	1828	P.S.I.	8:45			
B First Initial Flow Pressure	64	P.S.I.	20		20	
C First Final Flow Pressure	52	P.S.I.	20		6	
D Initial Closed-in Pressure	58	P.S.I.	15		15	
E Second Initial Flow Pressure	56	P.S.I.	10		9	
F Second Final Flow Pressure	77	P.S.I.				
G Final Closed-in Pressure	99	P.S.I.				
H Final Hydrostatic Mud	1819	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 2 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	64	0	52	0	56	0	77
P 2	5	61	3	54	5	Flushed Tool	3	77
P 3	10	52	6	58	10	Flushed Tool	6	87
P 4	15	49			15	77	9	99
P 5	20	52						
P 6								
P 7								
P 8								
P 9								
P10								
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 6517

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1737 K.B Formation ARBUCKLE Eff. Pay Ft.

District GREAT BEND Date 8/11/80 Customer Order No.

COMPANY NAME PETROLEUM ENERGY Inc.

ADDRESS 710 120 BUELOENG WICHITA KS 67202

LEASE AND WELL NO. Smith #1-A COUNTY RICE STATE KS Sec. 20 Twp 20S Rge 10W

Mail Invoice To SAME AS ABOVE Co. Name Address No. Copies Requested 5

Mail Charts To SAME AS ABOVE Address No. Copies Requested 5

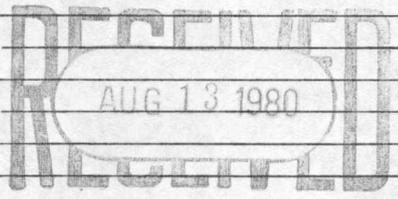
Formation Test No. 3 Interval Tested from 3256 ft. to 3290 ft. Total Depth 3290 ft. Packer Depth 3251 ft. Size 6 3/4 in. Packer Depth 3256 ft. Size 6 3/4 in.

Top Recorder Depth (Inside) 3267 ft. Recorder Number 10266 Cap. 4650 Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 6233 Cap. 4000 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor WHITE + ELLIS Rig #2 Drill Collar Length 284 I. D. 2.2 in. Mud Type STARCH Viscosity 48 Weight Pipe Length I. D. 3.8 in. Weight 10.3 Water Loss 16.6 cc. Drill Pipe Length 2951 I. D. 3.8 in. Chlorides 86,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in. Jars: Make Serial Number Anchor Length 34 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. Initial Flow Period Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: 75F - WEAK BUILDING TO STRONG BLOW 1" TO 15" IN 4 MIN. 2ND - STRONG BLOW THROUGHOUT Final Flow Period

Recovered 240 ft. of G.I.P. Recovered 2040 ft. of GASSY oil 42 GRAVITY Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks:



Time Set Packer(s) 8:00 A.M. P.M. Time Started Off Bottom 11:00 A.M. P.M. Maximum Temperature 110 degrees Initial Hydrostatic Pressure (A) 1786 P.S.I. Initial Flow Period (B) 45 Minutes (C) 258 P.S.I. to (D) 528 P.S.I. Initial Closed In Period (E) 45 Minutes (F) 1100 P.S.I. Final Flow Period (G) 45 Minutes (H) 609 P.S.I. to (I) 750 P.S.I. Final Closed In Period (J) 45 Minutes (K) 1100 P.S.I. Final Hydrostatic Pressure (L) 1727 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 [Signature] Nixon Signature of Customer or his authorized representative

Western Representative [Signature] Darrell Claphan Thank you

FIELD INVOICE

Open Hole Test \$ 550.00 Misrun \$ Straddle Test \$ Jars \$ Selective Zone \$ Safety Joint \$ Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage N/C \$ Fluid Sampler \$ Extra Charts \$ TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-11-80 Test Ticket No. 6517
 Recorder No. 10266 Capacity 4650 Location 3267 Ft.
 Clock No. _____ Elevation 1737 X B Well Temperature 110 °F

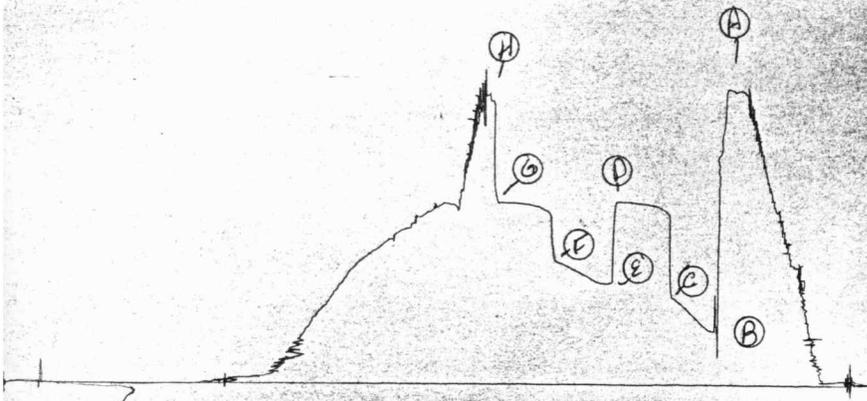
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1793</u>	P.S.I.	<u>8:00</u> A	M
B First Initial Flow Pressure	<u>324</u>	P.S.I.	<u>45</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>535</u>	P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1114</u>	P.S.I.	<u>45</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>621</u>	P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
F Second Final Flow Pressure	<u>752</u>	P.S.I.		
G Final Closed-in Pressure	<u>1109</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1723</u> 1725	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>14</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	<u>0</u>	<u>0</u>	<u>535</u>	<u>0</u>	<u>621</u>	<u>0</u>	<u>752</u>
P 2	<u>5</u>	<u>3</u>	<u>1019</u>	<u>5</u>	<u>621</u>	<u>3</u>	<u>1014</u>
P 3	<u>10</u>	<u>6</u>	<u>1063</u>	<u>10</u>	<u>631</u>	<u>6</u>	<u>1060</u>
P 4	<u>15</u>	<u>9</u>	<u>1076</u>	<u>15</u>	<u>652</u>	<u>9</u>	<u>1072</u>
P 5	<u>20</u>	<u>12</u>	<u>1088</u>	<u>20</u>	<u>675</u>	<u>12</u>	<u>1084</u>
P 6	<u>25</u>	<u>15</u>	<u>1093</u>	<u>25</u>	<u>699</u>	<u>15</u>	<u>1093</u>
P 7	<u>30</u>	<u>18</u>	<u>1098</u>	<u>30</u>	<u>722</u>	<u>18</u>	<u>1095</u>
P 8	<u>35</u>	<u>21</u>	<u>1103</u>	<u>35</u>	<u>736</u>	<u>21</u>	<u>1100</u>
P 9	<u>40</u>	<u>24</u>	<u>1105</u>	<u>40</u>	<u>752</u>	<u>24</u>	<u>1103</u>
P10	<u>45</u>	<u>27</u>	<u>1107</u>	<u>45</u>		<u>27</u>	<u>1104</u>
P11	<u>50</u>	<u>30</u>	<u>1109</u>	<u>50</u>		<u>30</u>	<u>1105</u>
P12	<u>55</u>	<u>33</u>	<u>1110</u>	<u>55</u>		<u>33</u>	<u>1106</u>
P13	<u>60</u>	<u>36</u>	<u>1112</u>	<u>60</u>		<u>36</u>	<u>1107</u>
P14		<u>39</u>	<u>1113</u>	<u>65</u>		<u>39</u>	<u>1108</u>
P15		<u>42</u>	<u>1114</u>	<u>70</u>		<u>42</u>	<u>1109</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

JKT # 6517

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Company Petroleum Energy, Inc. Lease & Well No. Smith 'A' #1
 Elevation 1737 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 6517
 Date 8/11/80 Sec. 20 Twp. 20S Range 10W Country Rice State Kansas
 Test Approved by Dan Nixon Western Representative Darrell Claphan
 Formation Test No. 3 Interval Tested from 3256 ft. to 3290 ft. Total Depth 3290 ft.
 Packer Depth 3251 ft. Size 6 3/4 in. Packer Depth 3256 ft. Size 6 3/4 in.
 Packer Depth -- ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3267 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 284 I. D. 2.2 in.
 Mud Type starch-salt gel viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 10.3 Water Loss 16.6 cc. Drill Pipe Length 2951 I. D. 3.8 in.
 Chlorides 86,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 34 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 in.

Blow: Initial flow period, weak building to strong blow one inch to fifteen inches in four minutes
Final flow priod strong blow throughout.

Recovered 240 ft. of gas in pipe
 Recovered 2040 ft. of gassy oil 42° gravity
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:00 A.M. Time Started Off Bottom 11:00 P.M. Maximum Temperature 110°
 Initial Hydrostatic Pressure (A) 1793 P.S.I.
 Initial Flow Period Minutes 35 (B) 324 P.S.I. to (C) 535 P.S.I.
 Initial Closed In Period Minutes 42 (D) 1114 P.S.I.
 Final Flow Period Minutes 40 (E) 621 P.S.I. to (F) 752 P.S.I.
 Final Closed In Period Minutes 42 (G) 1109 P.S.I.
 Final Hydrostatic Pressure (H) 1723 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8-11-80 Recorder No. 10266 Capacity 4650 Test Ticket No. 6517
 Clock No. ----- Elevation 1737 Kelly Bushing Location 3267 Ft. -----
 Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1793</u> P.S.I.	Open Tool	<u>8:00</u> A. M.	
B First Initial Flow Pressure	<u>324</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>535</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1114</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>621</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
F Second Final Flow Pressure	<u>752</u> P.S.I.			
G Final Closed-in Pressure	<u>1109</u> P.S.I.			
H Final Hydrostatic Mud	<u>1723</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>14</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>14</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 <u>0</u>	<u>324</u>	<u>0</u>	<u>535</u>	<u>0</u>	<u>621</u>	<u>0</u>	<u>752</u>
P 2 <u>5</u>	<u>340</u>	<u>3</u>	<u>1019</u>	<u>5</u>	<u>621</u>	<u>3</u>	<u>1014</u>
P 3 <u>10</u>	<u>359</u>	<u>6</u>	<u>1063</u>	<u>10</u>	<u>631</u>	<u>6</u>	<u>1060</u>
P 4 <u>15</u>	<u>399</u>	<u>9</u>	<u>1076</u>	<u>15</u>	<u>652</u>	<u>9</u>	<u>1072</u>
P 5 <u>20</u>	<u>434</u>	<u>12</u>	<u>1088</u>	<u>20</u>	<u>675</u>	<u>12</u>	<u>1084</u>
P 6 <u>25</u>	<u>474</u>	<u>15</u>	<u>1093</u>	<u>25</u>	<u>699</u>	<u>15</u>	<u>1093</u>
P 7 <u>30</u>	<u>509</u>	<u>18</u>	<u>1098</u>	<u>30</u>	<u>722</u>	<u>18</u>	<u>1095</u>
P 8 <u>35</u>	<u>535</u>	<u>21</u>	<u>1103</u>	<u>35</u>	<u>736</u>	<u>21</u>	<u>1100</u>
P 9		<u>24</u>	<u>1105</u>	<u>40</u>	<u>753</u>	<u>24</u>	<u>1103</u>
P10		<u>27</u>	<u>1107</u>			<u>27</u>	<u>1104</u>
P11		<u>30</u>	<u>1109</u>			<u>30</u>	<u>1105</u>
P12		<u>33</u>	<u>1110</u>			<u>33</u>	<u>1106</u>
P13		<u>36</u>	<u>1112</u>			<u>36</u>	<u>1107</u>
P14		<u>39</u>	<u>1113</u>			<u>39</u>	<u>1108</u>
P15		<u>42</u>	<u>1114</u>			<u>42</u>	<u>1109</u>
P16							
P17							
P18							
P19							
P20							