



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Olsen #1

Elevation 1674 Kelly Bush. Formation Douglas Effective Pay - Ft. Ticket No. 23461

Date 1-31-78 Sec. 28 Twp. 33S Range 12W County Barber State Kansas

Test Approved by Calvin Noah Western Representative Joe N. Lusk

Formation Test No. 2 O.K. Misrun Interval Tested From 3574' to 3595' Total Depth 3595'

Size Main Hole 7-7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 3569 Ft. Size 6-3/4 Bottom Packer Depth 3574 Ft. Size 6-3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 21 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3581 Ft. Clock No. 6892 Depth 3584 Ft. Clock No. 6800

Top Make Kuster Cap. 4150 No. 969 ^{Inside} ~~Outside~~ Bottom Make Kuster Cap. 4400 No. 2603 ^{Inside} ~~Outside~~

Below Straddle: Depth Rec. No. Clock No. ^{Inside} ~~Outside~~ Depth Ft. Rec. No. Clock No. ^{Inside} ~~Outside~~

Time Set Packer 12:13 A M

Tool Open I.F.P. From 12:15 M. to 12:45 M. - Hr. 30 Min. From (B) 92 P.S.I. To (C) 80 P.S.I.

Tool Closed I.C.I.P. From 12:45 M. to 1:30 M. - Hr. 45 Min (D) 717 P.S.I.

Tool Open F.F.P. From 1:30 M. to 2:15 M. - Hr. 45 Min. From (E) 114 P.S.I. To (F) 93 P.S.I.

Tool Closed F.C.I.P. From 2:15 M. to 3:15 M. 1 Hr. 00 Min. (G) 725 P.S.I.

Initial Hydrostatic Pressure (A) 1862 P.S.I. Final Hydrostatic Pressure (H) 1849 P.S.I. Maximum Temp. 115°

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 180' Muddy Water

Reversed Out Yes No Mud Type Starch Viscosity 33 Weight 9.6 Water Loss 12.8 cc. Chlorides 81,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size In. Make Ser. No.

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where?

DRILLING CONTRACTOR Gabbert & Jones Rig #12 Length Drill Pipe? 3109 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 441 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 45 Ft.

Remarks:

Had to slide tool approx. 5-6'

WESTERN TESTING CO., INC.
Pressure Data

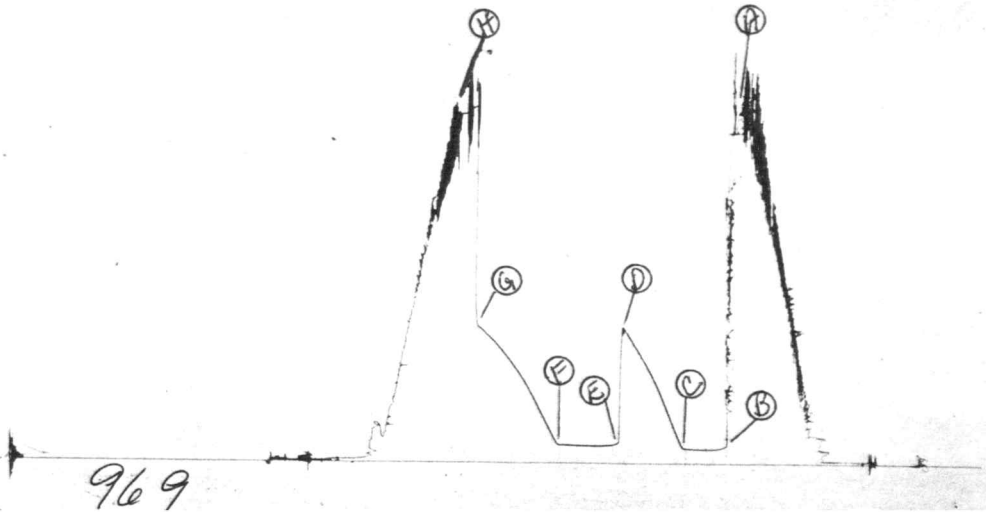
Date 1-31-78 Test Ticket No. 23461
 Recorder No. 969 Capacity 4150 Location 3581 Ft.
 Clock No. 6892 Elevation 1674 Kelly Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1862</u> P.S.I.	Open Tool	<u>12:13</u> A M	
B First Initial Flow Pressure	<u>92</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>80</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>717</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>114</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>03</u> P.S.I.			
G Final Closed-in Pressure	<u>725</u> P.S.I.			
H Final Hydrostatic Mud	<u>1849</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>20</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>92</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>114</u>	<u>0</u>	<u>93</u>
P 2 <u>5</u>	<u>80</u>	<u>3</u>	<u>98</u>	<u>5</u>	<u>95</u>	<u>3</u>	<u>114</u>
P 3 <u>10</u>	<u>74</u>	<u>6</u>	<u>147</u>	<u>10</u>	<u>91</u>	<u>6</u>	<u>152</u>
P 4 <u>15</u>	<u>74</u>	<u>9</u>	<u>203</u>	<u>15</u>	<u>90</u>	<u>9</u>	<u>197</u>
P 5 <u>20</u>	<u>76</u>	<u>12</u>	<u>260</u>	<u>20</u>	<u>90</u>	<u>12</u>	<u>241</u>
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>320</u>	<u>25</u>	<u>90</u>	<u>15</u>	<u>285</u>
P 7 <u>30</u>	<u>80</u>	<u>18</u>	<u>371</u>	<u>30</u>	<u>91</u>	<u>18</u>	<u>331</u>
P 8 _____	_____	<u>21</u>	<u>421</u>	<u>35</u>	<u>92</u>	<u>21</u>	<u>373</u>
P 9 _____	_____	<u>24</u>	<u>462</u>	<u>40</u>	<u>93</u>	<u>24</u>	<u>410</u>
P10 _____	_____	<u>27</u>	<u>504</u>	<u>45</u>	<u>93</u>	<u>27</u>	<u>448</u>
P11 _____	_____	<u>30</u>	<u>545</u>	_____	_____	<u>30</u>	<u>480</u>
P12 _____	_____	<u>33</u>	<u>580</u>	_____	_____	<u>33</u>	<u>510</u>
P13 _____	_____	<u>36</u>	<u>615</u>	_____	_____	<u>36</u>	<u>542</u>
P14 _____	_____	<u>39</u>	<u>649</u>	_____	_____	<u>39</u>	<u>568</u>
P15 _____	_____	<u>42</u>	<u>682</u>	_____	_____	<u>42</u>	<u>596</u>
P16 _____	_____	<u>45</u>	<u>717</u>	_____	_____	<u>45</u>	<u>622</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>646</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>670</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>688</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>710</u>
						<u>60</u>	<u>725</u>

TKT # 23461
I.





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Company Texas Energies, Inc. Lease & Well No. Olsen #1
 Elevation 1674 Kelly Bush. Formation Douglas Effective Pay - Ft. Ticket No. 23462
 Date 1-31-78 Sec. 28 Twp. 33S Range 12W County Barber State Kansas
 Test Approved by Calvin Noah Western Representative Joe N. Lusk

Formation Test No. 3 O.K. Misrun Interval Tested From 3574' to 3711' Total Depth 3711'
 Size Main Hole 7-7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3569 Ft. Size 6-3/4 Bottom Packer Depth 3574 Ft. Size 6-3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth 88' Ft. Size 6-1/4" OD
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 137 Ft. Size 49' - 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3581 Ft. Clock No. 6892 Depth 3584 Ft. Clock No. 6800
 Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 7:58 P M
 Tool Open I.F.P. From 8:00 M. to 8:30 M. - Hr. 30 Min. From (B) 309 P.S.I. To (C) 328 P.S.I.
 Tool Closed I.C.I.P. From 8:30 M. to 9:15 M. - Hr. 45 Min (D) 1372 P.S.I.
 Tool Open F.F.P. From 9:15 M. to 10:45 M. 1 Hr. 30 Min. From (E) 418 P.S.I. To (F) 357 P.S.I.
 Tool Closed F.C.I.P. From 10:45 M. to 12:15 M. 1 Hr. 30 Min. (G) 1359 P.S.I.
 Initial Hydrostatic Pressure (A) 1859 P.S.I. Final Hydrostatic Pressure (H) 1832 P.S.I. Maximum Temp. 123°

INFORMATION

BLOW Strong Blow throughout test - gas to surface in 7 minutes. See attached sheet
for gas measurements.
 Did Well Flow - Yes No Recovery Total Ft. 978' Total Recovery 64' Clean Gassy Oil
434' Gassy Oily Water 480' Gassy Water

Reversed Out Yes No Mud Type Starch Viscosity 42 Weight 9.5 Water Loss 15.6 cc. Chlorides 78,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Gabbert & Jones Length Drill Pipe? 3199 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 353 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 159 Ft.

Remarks:
 Slid tool Approx. 6-7'
 5 minutes into Initial Flow Period Tool slid some more and momentarily Hyd Tool closed.
 Chlorides 147,000 P.P.M.
 Clock 6892 stopped 40 minutes into Final Flow Period.

WESTERN TESTING CO., INC.
Pressure Data

Order No. 1-31-78 Test Ticket No. 23462
 Capacity 4150 Location 3581 Ft.
 Elevation 1674 Kelly Bushing Well Temperature 123 °F

	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>1859</u> P.S.I.	Open Tool	<u>7:58</u> P M	
First Initial Flow Pressure	<u>309</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>328</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
Initial Closed-in Pressure	<u>1372</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
Second Initial Flow Pressure	<u>418</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
Second Final Flow Pressure	<u>357</u> P.S.I.			
Final Closed-in Pressure	<u>1359</u> P.S.I.			
Final Hydrostatic Mud	<u>1832</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>1 5</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>31</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.	
Int ns.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
<u>1</u>	<u>309</u>	<u>0</u>	<u>328</u>	<u>0</u>	<u>418</u>	<u>0</u>	<u>357</u>
<u>2</u>	<u>287</u>	<u>3</u>	<u>424</u>	<u>5</u>	<u>406</u>	<u>3</u>	<u>686</u>
<u>3</u>	<u>254</u>	<u>6</u>	<u>1105</u>	<u>10</u>	<u>365</u>	<u>6</u>	<u>1008</u>
<u>4</u>	<u>262</u>	<u>9</u>	<u>1236</u>	<u>15</u>	<u>348</u>	<u>9</u>	<u>1125</u>
<u>5</u>	<u>285</u>	<u>12</u>	<u>1286</u>	<u>20</u>	<u>344</u>	<u>12</u>	<u>1179</u>
<u>5</u>	<u>307</u>	<u>15</u>	<u>1306</u>	<u>25</u>	<u>346</u>	<u>15</u>	<u>1207</u>
<u>7</u>	<u>328</u>	<u>18</u>	<u>1321</u>	<u>30</u>	<u>361</u>	<u>18</u>	<u>1232</u>
<u>8</u>		<u>21</u>	<u>1333</u>	<u>35</u>	<u>377</u>	<u>21</u>	<u>1249</u>
<u>9</u>		<u>24</u>	<u>1341</u>	<u>40</u>	<u>387</u>	<u>24</u>	<u>1263</u>
<u>0</u>		<u>27</u>	<u>1350</u>	<u>45</u>	<u>391</u>	<u>27</u>	<u>1271</u>
<u>1</u>		<u>30</u>	<u>1354</u>	<u>50</u>	<u>383</u>	<u>30</u>	<u>1284</u>
<u>2</u>		<u>33</u>	<u>1360</u>	<u>55</u>	<u>375</u>	<u>33</u>	<u>1292</u>
<u>3</u>		<u>36</u>	<u>1364</u>	<u>60</u>	<u>363</u>	<u>36</u>	<u>1298</u>
<u>4</u>		<u>39</u>	<u>1368</u>	<u>65</u>	<u>357</u>	<u>39</u>	<u>1304</u>
<u>5</u>		<u>42</u>	<u>1372</u>	<u>70</u>	<u>352</u>	<u>42</u>	<u>1310</u>
<u>6</u>		<u>45</u>	<u>1372</u>	<u>75</u>	<u>352</u>	<u>45</u>	<u>1316</u>
<u>7</u>				<u>80</u>	<u>352</u>	<u>48</u>	<u>1321</u>
<u>8</u>				<u>85</u>	<u>354</u>	<u>51</u>	<u>1325</u>
<u>9</u>				<u>90</u>	<u>357</u>	<u>54</u>	<u>1329</u>
<u>0</u>						<u>57</u>	<u>1333</u>
						<u>60</u>	<u>1337</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1-31-78 Test Ticket No. 23462
 Recorder No. 969 Capacity 4150 Location 3581 Ft.
 Block No. 6892 Elevation 1674 Kelly Bushing Well Temperature 123 °F

Point	Pressure			Time	
				Given	Computed
A Initial Hydrostatic Mud	<u>1859</u>	P.S.I.	Open Tool	<u>7:58</u>	P M
B First Initial Flow Pressure	<u>309</u>	P.S.I.	First Flow Pressure	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>328</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u>	Mins. <u>45</u> Mins.
D Initial Closed-in Pressure	<u>1372</u>	P.S.I.	Second Flow Pressure	<u>90</u>	Mins. <u>90</u> Mins.
E Second Initial Flow Pressure	<u>418</u>	P.S.I.	Final Closed-in Pressure	<u>90</u>	Mins. <u>93</u> Mins.
F Second Final Flow Pressure	<u>357</u>	P.S.I.			
G Final Closed-in Pressure	<u>1359</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1832</u>	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	<u>6</u>	Inc.	<u>1 5</u>	Inc.	<u>18</u>	Inc.	<u>31</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.
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1						<u>63</u>	<u>1341</u>	
P 2						<u>66</u>	<u>1343</u>	
P 3						<u>69</u>	<u>1346</u>	
P 4						<u>72</u>	<u>1348</u>	
P 5						<u>75</u>	<u>1350</u>	
P 6						<u>78</u>	<u>1352</u>	
P 7						<u>81</u>	<u>1354</u>	
P 8						<u>84</u>	<u>1356</u>	
P 9						<u>87</u>	<u>1358</u>	
P10						<u>90</u>	<u>1359</u>	
P11						<u>93</u>	<u>1359</u>	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 1-31-78 Ticket 23462 Company Texas Energies, Inc.
 Well Name and No. Olsen #1 Dst No. 3 Interval Tested 3574-3711'
 County Barber State Kansas Sec. 28 Twp. 33S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
Gas to surface in 7 minutes.						
8:17P	17 Min.	10 PSIG	3/4" Orifice			259,000 C.F.P.D.
8:27	27 Min.	16 PSIG				354,000 "
8:30	30 Min.	17 PSIG				357,000 "

SECOND FLOW						
9:25P	10 Min.	Flowed 2" stream of Mud				
9:35	20	Blowing Heavy Mud Spray				
9:45	30	22 PSIG	3/4" Orifice			424,000 C.F.P.D.
9:55	40	30 PSIG	3/4" "			522,000 "
10:05	50	20 PSIG	1" Orifice			725,000 "
10:15	60	20 PSIG	1" "			725,000 "
10:25	70	15 PSIG	1" "			603,000 "
10:35	80	12 PSIG	1" "			526,000 "
10:45	90	12 PSIG	1" "			526,000 "
		Blowing heavy water spray				

GAS BOTTLE

Serial No. 603 Date Bottle Filled 1-31-78 Date to be Invoiced 1-31-78

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 1% per month, equal to 12% 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 Texas Energies, Inc.
 Authorized by Calvin Noah

TK# 23462

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