

Chief Drilling
Adams 3

11-125-22w
15-195-22123

CROWN TESTING COMPANY
130 S. Market, Suite 300 WICHITA, KS 67202
Telephone (316) 793-7137 - (316) 793-3076
No 13025

DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 1
Well Number 23	Zone Tested TOPEKA
Company CHIEF Drilling	Date 6-15-93
Comp. Rep. BIG J	Tester GREEN SAKHA
Contractor CO700L	Ticket No. 13025
Location 11-125-22w TPE60 CO.	Elevation

Recorder No. **13810** Clock Range **12HC** Slow
Depth **3595** Initial Flow **THK THING/NOV**
Initial Hydro Mud Pres. **1710** Initial Flow **2" IN GUNNER**
Initial Flow Pres. **44.4V**
Initial Shut-in Pres. **4.53** Final Flow **THK THK/1110.0**
Final Flow Pres. **62.89** Final Flow **2" IN GUNNER**
Final Shut-in Pres. **8.94**
Final Hydro Mud Pres. **1664**
Temperature **119** Initial Flow **15** Min.
Mud Weight **90** Viscosity **40** Initial Shut-in **45** Min.
Field Loss **12.0** Final Flow **60** Min.
Interval Tested **3559-3595** Initial Shut-in **45** Min.
Top Packer Depth **3554** Surface Choke Size **1/2**
Bottom Packer Depth **3537** Bottom Choke Size **1/2**
Total Depth **3585** Main Hole Size **7/8**
Drill Pipe Size **4 1/2 x 4 Wt. -** Rubber Size **6.88**

Drill Collar I.D. - Ft. Run -
Recovery - Total Feet **200**
Recovered **200** Feet Of **MUDS WITH OIL SPOTS**
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Remarks

CROWN TESTING COMPANY shall not be liable for damage of any kind to the property or personnel of the user for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statement or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for by the party for whom the test is made.

By _____
Owner, Operator or His Agent

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No 13076

DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 2
Well Number 23	Zone Tested KC
Company CHIEF Drilling	Date 6-16-93
Comp. Rep. BIG J	Tester GREEN SAKHA
Contractor CO700L	Ticket No. 13076
Location 11-125-22w TPE60 CO.	Elevation 2342 KB

Recorder No. **13810** Clock Range **12HC** Slow
Depth **3662** Initial Flow **VERY WEAK**
Initial Hydro Mud Pres. **1802**
Initial Flow Pres. **26.26**
Initial Shut-in Pres. **3.57** Final Flow **NO BLOW**
Final Flow Pres. **26.26**
Final Shut-in Pres. **3.39**
Final Hydro Mud Pres. **1710**
Temperature **119** Initial Flow **20** Min.
Mud Weight **92** Viscosity **41** Initial Shut-in **20** Min.
Field Loss **12.0** Final Flow **30** Min.
Interval Tested **3637-3662** Initial Shut-in **30** Min.
Top Packer Depth **3628** Surface Choke Size **1/2**
Bottom Packer Depth **3653** Bottom Choke Size **1/2**
Total Depth **3662** Main Hole Size **7/8**
Drill Pipe Size **4 1/2 x 4 Wt. -** Rubber Size **6.88**

Drill Collar I.D. - Ft. Run -
Recovery - Total Feet **10**
Recovered **10** Feet Of **MUDDY WHITE WITH FEW OR**
Recovered Feet Of **SPOTS**
Recovered Feet Of
Recovered Feet Of
Remarks

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No 13077

DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 3
Well Number 23	Zone Tested KC
Company CHIEF Drilling	Date 6-17-93
Comp. Rep. BIG J	Tester GREEN SAKHA
Contractor CO700L	Ticket No. 13077
Location 11-125-22w TPE60 CO.	Elevation 2542 KB

Recorder No. **13810** Clock Range **12HC** Slow
Depth **3717** Initial Flow **VERY WEAK DIED**
Initial Hydro Mud Pres. **1902** Initial Flow **IN 25 MIN**
Initial Flow Pres. **99.55**
Initial Shut-in Pres. **7.16** Final Flow **NO BLOW**
Final Flow Pres. **110.55**
Final Shut-in Pres. **6.61**
Final Hydro Mud Pres. **1802**
Temperature **119** Initial Flow **15** Min.
Mud Weight **6.2** Viscosity **41** Initial Shut-in **45** Min.
Field Loss **12.0** Final Flow **30** Min.
Interval Tested **3675-3717** Initial Shut-in **45** Min.
Top Packer Depth **3678** Surface Choke Size **1/2**
Bottom Packer Depth **3679** Bottom Choke Size **1/2**
Total Depth **3717** Main Hole Size **7/8**
Drill Pipe Size **4 1/2 x 4 Wt. -** Rubber Size **6.88**

Drill Collar I.D. - Ft. Run -
Recovery - Total Feet **30**
Recovered **20** Feet Of **MUDS WITH 25000/101**
Recovered **10** Feet Of **CLEAN OIL ON TOP OF MUDS**
Recovered Feet Of
Recovered Feet Of
Remarks

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No 13078

DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 4
Well Number 23	Zone Tested KC
Company CHIEF Drilling	Date 6-17-93
Comp. Rep. BIG J	Tester GREEN SAKHA
Contractor CO700L	Ticket No. 13078
Location 11-125-22w TPE60 CO.	Elevation 2342 KB

Recorder No. **13810** Clock Range **12HC** Slow
Depth **3745** Initial Flow **WEAK DIED**
Initial Hydro Mud Pres. **1802** Initial Flow **6 MIN**
Initial Flow Pres. **35.35**
Initial Shut-in Pres. **1.33** Final Flow **NO BLOW**
Final Flow Pres. **35.35**
Final Shut-in Pres. **5.9**
Final Hydro Mud Pres. **1710**
Temperature **119** Initial Flow **15** Min.
Mud Weight **9.2** Viscosity **44** Initial Shut-in **45** Min.
Field Loss **12.0** Final Flow **30** Min.
Interval Tested **3719-3745** Initial Shut-in **45** Min.
Top Packer Depth **3714** Surface Choke Size **1/2**
Bottom Packer Depth **3719** Bottom Choke Size **1/2**
Total Depth **3745** Main Hole Size **7/8**
Drill Pipe Size **4 1/2 x 4 Wt. -** Rubber Size **6.88**

Drill Collar I.D. - Ft. Run -
Recovery - Total Feet **5**
Recovered **5** Feet Of **MUD FEW OIL SPOTS**
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Remarks

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DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 5
Well Number #3	Zone Tested KC
Company CHIEF Drilling	Date 6-18-93
Comp. Rep. Big J	Tester GREG SMITH
Contractor CO TOOL	Ticket No. 13079
Location 11 R's 22w TREC60 CO.	Elevation 2342 NS

Recorder No. **12HC** Clock Range **3810** Slow
 Depth **3840** Initial Flow **WEAK THROUGH**
 Initial Hydro Mud Press. **1083**
 Initial Flow Press. **62.44**
 Initial Shut-in Press. **1028** Final Flow **NO BLOW**
 Final Flow Press. **35.35**
 Final Shut-in Press. **804**
 Final Hydro Mud Press. **1847**
 Temperature **11.9** Initial Flow **1.5** Min.
 Mud Weight **9.2** Viscosity **46** Initial Shut-in **4.5** Min.
 Field Loss **12.0** Final Flow **3.0** Min.
 Interval Tested **3805-3840 25% PLUG** Final Shut-in **4.5** Min.
 Top Packer Depth **3800** Surface Choke Size **1/2**
 Bottom Packer Depth **3805** Bottom Choke Size
 Total Depth **3840** Main Hole Size **7/8**
 Drill Pipe Size **4 1/2** Wt. - Rubber Size **6.8**
 Drill Collar I.D. - P. Run -
 Recovery - Total Feet **5**
 Recovered **5** Feet Of **MUD NO SHOW OF OIL**
 Recovered - Feet Of
 Recovered - Feet Of
 Recovered - Feet Of
 Remarks

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DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 6
Well Number #3	Zone Tested KC
Company CHIEF Drilling	Date 6-18-93
Comp. Rep. Big J	Tester GREG SMITH
Contractor CO TOOL	Ticket No. 13080
Location 11 R's 22w TREC60 CO.	Elevation 2342 NS

Recorder No. **12510** Clock Range **1246** Slow
 Depth **4885** Initial Flow **WEAK HOW DEW**
 Initial Hydro Mud Press. **1985**
 Initial Flow Press. **26.26**
 Initial Shut-in Press. **26.26** Final Flow **NO BLOW**
 Final Flow Press. **26.26**
 Final Shut-in Press. **44**
 Final Hydro Mud Press. **1939**
 Temperature **11.9** Initial Flow **1.5** Min.
 Mud Weight **9.3** Viscosity **46** Initial Shut-in **4.5** Min.
 Field Loss **12** Final Flow **3.0** Min.
 Interval Tested **3871-3885 25% PLUG** Final Shut-in **4.5** Min.
 Top Packer Depth **3872** Surface Choke Size **1/2**
 Bottom Packer Depth **3877** Bottom Choke Size
 Total Depth **3885** Main Hole Size **7/8**
 Drill Pipe Size **4 1/2** Wt. - Rubber Size **6.8**
 Drill Collar I.D. - P. Run -
 Recovery - Total Feet **5**
 Recovered **5** Feet Of **MUD NO SHOW OF OIL**
 Recovered - Feet Of
 Recovered - Feet Of
 Recovered - Feet Of
 Remarks

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By _____ Owner, Operator or his Agent

DRILL-STEM TEST DATA

Well Name ADAMS	Test No. 7
Well Number #3	Zone Tested WIKK
Company CHIEF Drilling	Date 6-19-93
Comp. Rep. Big J	Tester GREG SMITH
Contractor CO TOOL	Ticket No. 13081
Location 11 R's 22w TREC60 CO.	Elevation 2342 NS

Recorder No. **12510** Clock Range **1246** Slow
 Depth **4000** Initial Flow **WEAK BLOW**
 Initial Hydro Mud Press. **1985**
 Initial Flow Press. **44.44**
 Initial Shut-in Press. **1168** Final Flow **NO BLOW**
 Final Flow Press. **26.26**
 Final Shut-in Press. **883**
 Final Hydro Mud Press. **1802**
 Temperature **11.9** Initial Flow **1.5** Min.
 Mud Weight **9.3** Viscosity **46** Initial Shut-in **4.5** Min.
 Field Loss **12** Final Flow **3.0** Min.
 Interval Tested **3970-4000 30% PLUG** Final Shut-in **4.5** Min.
 Top Packer Depth **3965** Surface Choke Size **1/2**
 Bottom Packer Depth **3970** Bottom Choke Size
 Total Depth **4000** Main Hole Size **7/8**
 Drill Pipe Size **4 1/2** Wt. - Rubber Size **6.8**
 Drill Collar I.D. - P. Run -
 Recovery - Total Feet **15**
 Recovered **15** Feet Of **Muddy Oil**
 Recovered - Feet Of
 Recovered - Feet Of
 Recovered - Feet Of
 Remarks

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By _____ Owner, Operator or his Agent

DATE 6-18-93	DEPTH 40
WELL NO.	WELL
CONTRACTOR CHIEF	ADDRESS Big J
REPORT FOR Big J	REPORT FOR Big J
WELL NAME ADAMS #3	FIELD OR CHECK NO. 11-13-23
OPERATOR CHIEF	CONTRACTOR CHIEF
ADDRESS Big J	ADDRESS Big J
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OPERATOR CHIEF	CONTRACTOR CHIEF
ADDRESS Big J	ADDRESS Big J

COMPANY _____ FARM _____ STATE _____ WELL NO. _____

SEC. TWP. R. LOC. COUNTY COUNTY STATE STATE

CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____

REMARKS: EST 2346 CL 7 AM 2/90. 53 K8 Top 3398 2253 4th, 1794 H1

DEPTH	TIME	MIN.	REMARKS
01	03	4	
01	04	5	
01	05	4	
01	06	4	
01	07	4	
08	10	4	
08	11	4	
08	12	4	
08	13	4	
08	14	4	
08	15	4	
08	16	4	
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20	100	4	
30	09	4	CFS
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30	100	4	
45	46	4	CONN
45	47	4	
45	48	4	
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45	96	4	
45	97	4	
45	98	4	
45	99	4	
45	100	4	
50	04	3	

REMARKS:

SIZE PUMP LINERS LENGTH STROKE

COMPANY _____ FARM _____ STATE _____ WELL NO. _____

SEC. TWP. R. LOC. COUNTY COUNTY STATE STATE

CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____

REMARKS: GL 2345 6/15/93 KB 2352 Pat # 646-7049

DEPTH	TIME	MIN.	REMARKS
10	03	4	
10	04	5	
10	05	4	
10	06	4	
10	07	4	
10	08	4	
10	09	4	
10	10	4	
10	11	4	
10	12	4	
10	13	4	
10	14	4	
10	15	4	
10	16	4	
10	17	4	
10	18	4	
10	19	4	
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10	62	4	
10	63	4	
10	64	4	
10	65	4	
10	66	4	
10	67	4	
10	68	4	
10	69	4	
10	70	4	
10	71	4	
10	72	4	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. R9E. LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR _____ SIZE PUMP LINERS _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

686-7049 684-2520
 PAT 8-12

DATE _____

DEPTH	TIME OF CLOCK	MIN.	REMARKS
01	9:24	5	
	12:04	5	
	10	6	
	16	6	
05	22	6	
	28	6	
	33	5	
	37	4	
	40	3	
10	41	7	
	47	4	
	53	4	
	57	4	
	1:00	3	
15	1:03	3	
	17	4	
	106	3 1/2	
	15	4 1/2	CONN
	21	4	Vis 43 wt 9.3
20	29	6	C.F.S.
	44	3	
	52	5	
	58	6	
	3:08	5	
25	39	6	
	19	5	
	24	5	
	30	6	
30	34	4	
	38	4	
	43	5	
	48	5	
	53	5	
35	59	6	
	4:05	6	
	10	5	
	5	5	
	8	6	
40	27	6	C.F.S.
	32	4	
	14	4	
	19	5	
	24	5	
45	28	4	
	33	5	
	38	5	
	43	5	
	48	5	
50	52	4	CONN. Riv.

DEPTH	TIME OF CLOCK	MIN.	REMARKS
50	4:01	3	
	07	3	
	11	4	
	15	4	
55	20	5	
	23	3	
	27	4	
	32	5	9.3 wt 46 vis.
	38	6	
60	43	5	C.F.S.
	48	6	
	53	5	
	37	6	
	45	6	
65	50	5	
	55	5	
	6:01	6	
	07	6	
	12	5	
70	16	4	
	21	5	
	25	4	
	28	3	
	32	4	
75	37	5	
	41	4	
	45	4	
	50	5	
	54	4	
80	58	4	
	7:03	5	
	08	5	Conn.
	17	5	
	24	7	
85	31	7	C.F.S. - Dist 6
	36	2	
	38	6	
	12	4	
	16	4	
90	19	3	
	22	3	
	26	4	
	29	3	
	32	3	
95	36	4	
	41	5	
	45	4	
	49	4	
	53	4	
3900	57	4	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. R9E. LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR _____ SIZE PUMP LINERS _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 6/19/Am

DEPTH	TIME OF CLOCK	MIN.	REMARKS
50	9:17	3	
	03	3	
	06	3	
	7	3	
05	13	4	
	16	7	
	18	2	
	22	4	
	25	3	
10	29	4	
	32	3	
	35	3	hook up
	38	4	
	45	7	
15	48	3	
	51	3	
	54	3	
	56	2	
	59	3	
20	6:03	3	
	05	3	
	08	3	
	11	3	
	15	4	
25	18	3	
	22	4	
	26	4	
	30	4	
	35	5	
	37	3	
30	40	3	
	42	2	
	45	3	
	49	4	
35	53	4	
	58	5	
	7:02	4	
	07	5	
	11	4	
40	15	4	
	18	3	
	20	2	
	24	3 1/2	
	28	3 1/2	hook up
45	32	3	
	44	5 1/2	
	48	3 1/2	
	54	6	
	8:00	6	
50	1:05	5	

DEPTH	TIME OF CLOCK	MIN.	REMARKS
50	8:28	3	
	11	3	
	13 1/2	2 1/2	
	17	3 1/2	
55	21	4	
	28 1/2	5 1/2	
	32	5 1/2	
	35	3	
	38 1/2	3 1/2	
60	41 1/2	6	
	50	5 1/2	
	55	5	
	56	1	
	9:20	4	
65	13	4 1/2	
	17	4	
	21	4	
	27	6	
70	32	5	C.F.S.
	10:36	4	
	20	4	
	25	3	
	29	4	Conn
75	33	3	
	40	4	
	44	4	
	48	4	
	52	4	
80	55	3	
	58	3	
	11:01	3	
	4	3	
	8	4	
85	10:12	2 1/2	
	15	2 1/2	
	16	3	
	19	3	
	21	2	
90	22 1/2	5 1/2	
	28	3 1/2	
	31	3	
	33	2	
	35	2	13
95	37 1/2	2 1/2	
	40	2 1/2	
	42 1/2	2 1/2	
	45	2 1/2	
	47	2	12
4000	11:14	2 1/2	C.F.S.

PIPE STRAP & JOBS

DATE 6-19-93 P.M.

DEPTH	TIME OF CLOCK	MIN.	REMARKS
01	5:53	3	
	58	3	
	8:01	3	
	04	3	
05	07	3	
	10	3	
	14	2	Conn
	20	4	
	24	4	
10	27	3	
	32	5	
	38	6	
	45	7	
	51	6	
15	56	5	
	59	3	
	9:04	5	
	10	6	
	16	6	
20	22	6	
	27	5	
	33	6	
	38	5	
	42	4	
25	46	4	
	49	3	
	53	4	
	57	4	
	10:01	4	
30	05	4	
	09	4	
	13	3	
	15	3	
	19	4	
35	22	4	
	26	3	
	30	4	Conn
	34	3	
	40	4	
40	43	3	
	46	3	
	49	3	
	53	3	
	57	2	
45	54	2	
	57	2	
	11:00	2	
	02	2	
	04	2	
50	06	2	

DEPTH	TIME OF CLOCK	MIN.	REMARKS
50	10:08	2	
	17	3	
	19	3	
	17	3	
55	19	2	
	21	2	
	23	2	
	25	2	
	27	2	
60	29	2	
	31	2	
	34	3	
	36	2	
	37	3	
65	42	3	
	45	3	
	48	3	
	51	3	
	54	3	Conn
70	55	2	
	02	2	
	06	3	
	10	4	
	13	3	
75	16	3	C.F.S. RTU RTU of 12116 94077 Regulator Tank GR. H. B. Caliper
80			
85			
90			
95			
4100			

9352 9260 9327 9269 9300 9360
 9330 9353 9311 9337 9320 9373
 9350 9280 9345 9268 9349 9324
 9247 9315 9350 9310 9285 9330
 9300 9330 9285 9350 9390 9205
 465.79 465.38 466.78 465.34 466.44 465.92

9285 collars
 9315
 9370
 279.70
 9202
 9250
 9085
 9110
 8857
 455.04

Strap 3571.32
 Board 3571.11
 Strap 609.21