Company E. K. Edminston Oil, Inc. Lease & Well No. Miller Estates # 2

Elevation ----- Formation ---- Effective Pay ---- Ft. Ticket No. 5358

Date 6-2-80 Sec. 2 Twp. 31s Range 9W County Harper State Kansas

Test Approved by Douglas McGinness Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4332 ft. to 4407 ft. Total Depth 4407 ft.

Packer Depth 4327 ft. Size 6 3/4 in. Packer Depth ---- ft. Size --- in.

Packer Depth 4332 ft. Size 6 3/4 in. Packer Depth ---- ft. Size --- in.

Depth of Selective Zone Set ----

Top Recorder Depth (Inside) 4335 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4338 ft. Recorder Number 5673 Cap. 5400

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

Drilling Contractor Union Drilling Co. #1 Drill Collar Length 372 I. D. 2.2 in.

Mud Type Dris pac Viscosity 45 Weight Pipe Length ---- I. D. ----- in.

Weight 9.1 Water Loss 9.8 cc. Drill Pipe Length 3940 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ O.D. in.

Jars: Make ----- Serial Number ---- Anchor Length 43 ft. Size 5½ O.Din.

Did Well Flow? No Reversed Out No Drill Pipe 32'

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ F.H. in.

Blow: Strong - Gas To Surface in 2 minutes into 2nd flow period - See attached sheet for gas measurements.

Recovered 90 ft. of Mud

Recovered 120 ft. of slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:35 ~~A.M.~~ P.M. Time Started Off Bottom 4:05 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure ..... (A) 2039 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 35 P.S.I. to (C) 30 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 587 P.S.I.

Final Flow Period ..... Minutes 115 (E) 57 P.S.I. to (F) 76 P.S.I.

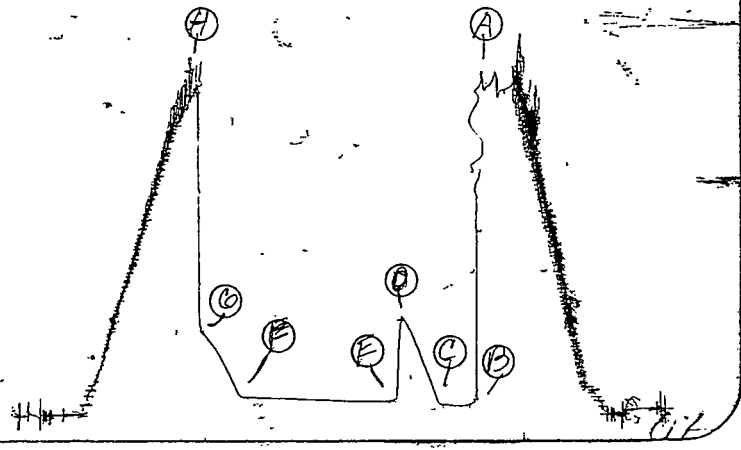
Final Closed In Period ..... Minutes 30 (G) 495 P.S.I.

Final Hydrostatic Pressure ..... (H) 2005 P.S.I.

WTC-1

4664
DST #1

WC # 5358
1



GAS FLOW REPORT

Date 6/2/80 Ticket 5358 Company E. K. Edminston Oil, Inc.

Well Name and No. Miller Estates #2 Dst No. 1 Interval Tested 4332'-4407'

County Harper State Kansas Sec. 2 Twp. 31S Rg. 9W

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						
SECOND FLOW						
Gas to surface in two minutes.						
	10 min.	6" of water		½" orifice		15,400 CFPD
	20 min.	5" of water		½" orifice		14,100 CFPD
	30 min.	5" of water		½" orifice		14,100 CFPD
	40 min.	5" of water		½" orifice		14,100 CFPD
	50 min.	5" of water		½" orifice		14,100 CFPD
	60 min.	5" of water		½" orifice		14,100 CFPD
	70 min.	5" of water		½" orifice		14,100 CFPD
	80 min.	5" of water		½" orifice		14,100 CFPD
	90 min.	5" of water		½" orifice		14,100 CFPD
	100 min.	5" of water		½" orifice		14,100 CFPD
	110 min.	5" of water		½" orifice		14,100 CFPD
	120 min.	5" of water		½" orifice		14,100 CFPD

GAS BOTTLE

Serial No. ------- Date Bottle Filled ------ Date to be Invoiced 6/2/80

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 E. K. Edminston Oil, Inc.

Authorized by Jeff Piotrowski

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 6-2-80 Test Ticket No. 5358

Recorder No. 1565 Capacity 4900 Location 4335 Ft.

Clock No. -- Elevation ------- Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2039 P.S.I.	Open Tool		12:35 P. M	
B	First Initial Flow Pressure	35 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	587 P.S.I.	Second Flow Pressure		120 Mins.	120 Mins.
E	Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure		30 Mins.	30 Mins.
F	Second Final Flow Pressure	76 P.S.I.				
G	Final Closed-in Pressure	495 P.S.I.				
H	Final Hydrostatic Mud	2005 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	35
P 2 5	28
P 3 10	20
P 4 15	20
P 5 20	25
P 6 25	27
P 7 30	30
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	30
3	92
6	153
9	225
12	287
15	364
18	416
21	473
24	520
27	564
30	487

Second Flow Pressure
Breakdown: 23 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	57
5	50
10	45
15	47
20	47
25	48
30	50
35	50
40	51
45	52
50	54
55	57
60	59
65	62
70	63
75	64
80	65
85	67
90	68
95	69
100	72

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	76
3	119
6	168
9	225
12	275
15	324
18	366
21	410
24	436
27	468
30	495

Continued on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 6-2-80 Test Ticket No. 5358

Recorder No. 1565 Capacity 4900 Location 4335 Ft.

Clock No. -- Elevation ------- Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2039	P.S.I.	Open Tool	12:35 P. M	
B	First Initial Flow Pressure	35	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	30	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	587	P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E	Second Initial Flow Pressure	57	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	76	P.S.I.			
G	Final Closed-in Pressure	495	P.S.I.			
H	Final Hydrostatic Mud	2005	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: 3 Inc.	Breakdown: 10 Inc.	Breakdown: 23 Inc.	Breakdown: 10 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	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1					105	74		
P 2					110	75		
P 3					115	76		
P 4								
P 5								
P 6								
P 7								
P 8								
P 9								
P10								
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 5358

Elevation _____ Formation _____ Eff. Pay _____ Ft.

District Pratt Date 6-2-80 Customer Order No. _____

COMPANY NAME E.K. Edmiston Oil, Inc.

ADDRESS Wichita KS 800 Vickers/KBBT Bldg

LEASE AND WELL NO. Miller #2 COUNTY Harper STATE KS Sec. 2 Twp. 31S Rge. 9W

Mail Invoice To Same Co. Name Miller Estate #2 Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 4332 ft. to 4407 ft. Total Depth 4407 ft.

Packer Depth 4327 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4332 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4335 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4338 ft. Recorder Number 5673 Cap. 5400

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

Drilling Contractor Union Drlg Co #1 Drill Collar Length 372 I. D. 2.2 in.

Mud Type Disgel Viscosity 45 Weight Pipe Length _____ I. D. _____ in.

Weight 9.1 Water Loss 9.8 cc. Drill Pipe Length 3940 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make _____ Serial Number _____ Anchor Length 43 ft. Size 5½ OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/32 Drill Pipe 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ FH in.

Blow: Strong - GTS 2 min into 2nd flow period - See ~~Gas~~ ~~flow report~~ Attached sheet for gas measurements.

Recovered 90 ft. of Mud

Recovered 120 ft. of Slightly Oil cut mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

RECEIVED JUN 4 - 1980

on location 9:00 a.m. off - 7:00 p.m.

Time Set Packer(s) 12:35 A.M. P.M. Time Started Off Bottom 4:05 A.M. P.M. Maximum Temperature 120

Initial Hydrostatic Pressure			(A) 2024	P.S.I.	
Initial Flow Period	Minutes 30		(B) 24	P.S.I. to (C) 37	P.S.I.
Initial Closed In Period	Minutes 30		(D) 569	P.S.I.	
Final Flow Period	Minutes 120		(E) 49	P.S.I. to (F) 74	P.S.I.
Final Closed In Period	Minutes 30		(G) 495	P.S.I.	
Final Hydrostatic Pressure			(H) 2000	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 Doug McGuire
Signature of Customer or his authorized representative

Western Representative Jeff Piotrowski Thank you.

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$ _____
Straddle Test	$ _____
Jars	$ _____
Selective Zone	$ _____
Safety Joint	$ _____
Standby	$ _____
Evaluation	$ _____
Extra Packer	$ _____
Circ. Sub.	$ _____
Mileage 44 @ 1.75	$ 33.00
Fluid Sampler	$ _____
Extra Charts	$ _____
TOTAL	$ 633.00

Phone 316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 1623

Date 6-2-80 Ticket 5358 Company E. K. Edminston

Well Name and No. Miller #2 Dst No. 1 Interval Tested 4332-4407

County Harper State KS Sec. 2 Twp. 31s Rg. 9w

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					
	Inches of water	GTS	2 min	**SECOND FLOW**	
10	6	½			15,400 CFPD
20	5	½			14,100
30	5	½			14,100
40	"	"			"
50	"	"			"
60	"	"			"
70	"	"			"
80	"	"			"
90	"	"			"
100	"	"			"
110	"	"			"
120	"	"			"
					"

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 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 _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 6-2-80 Test Ticket No. 5358

Recorder No. 1565 Capacity 4900 Location 4335 Ft.

Clock No. Elevation Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2039 P.S.I.	Open Tool	12:35 P M	
B First Initial Flow Pressure	35 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	587 P.S.I.	Second Flow Pressure	120 Mins.	115 Mins.
E Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	76 P.S.I.			
G Final Closed-in Pressure	495 P.S.I.			
H Final Hydrostatic Mud	2005 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 23 Inc.		Breakdown: 10 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 0	35	0	30	0	57	0	76
P 2 5	28	3	82	5	50	3	119
P 3 10	20	6	153	10	45	6	168
P 4 15	20	9	225	15	47	9	225
P 5 20	25	12	287	20	47	12	275
P 6 25	27	15	364	25	48	15	324
P 7 30	30	18	416	30	50	18	366
P 8 35		21	473	35	50	21	401
P 9 40		24	520	40	51	24	436
P10 45		27	564	45	52	27	468
P11 50		30	587	50	54	30	495
P12 55		33		55	57	33	
P13 60		36		60	59	36	
P14		39		65	62	39	
P15		42		70	63	42	
P16		45		75	64	45	
P17		48		80	65	48	
P18		51		85	67	51	
P19		54		90	68	54	
P20		57		95	69	57	
		60		100	72	60	

WTC - 4

Cont.

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 5358

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

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
Breakdown: _____ Inc.
of 5 mins. and a
final inc. of 0 Min.

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

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

Final Shut-In
Breakdown: _____ 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		105	74	63	
P 2		66		110	75	66	
P 3		69		115	76	69	
P 4		72		[illegible]		72	
P 5		75				75	
P 6		78				78	
P 7		81				81	
P 8		84				84	
P 9		87				87	
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	