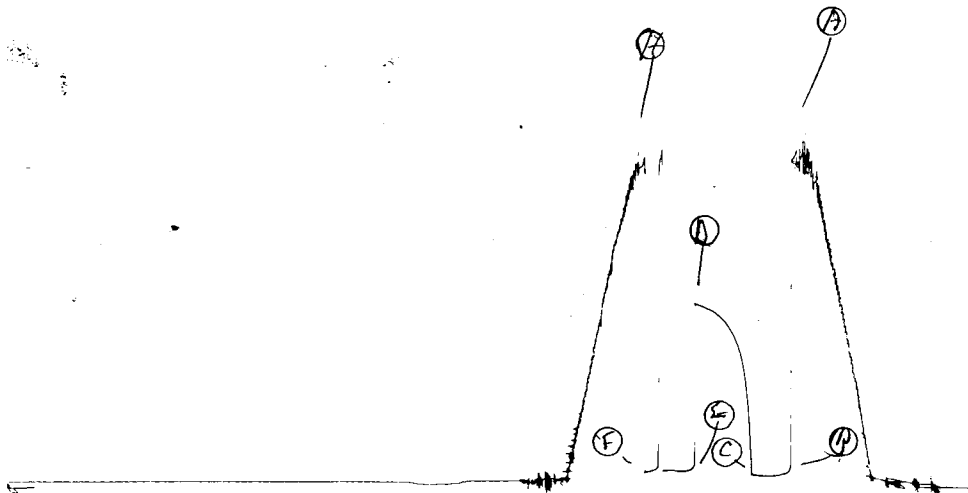


6223
DST #1

SKT 18224

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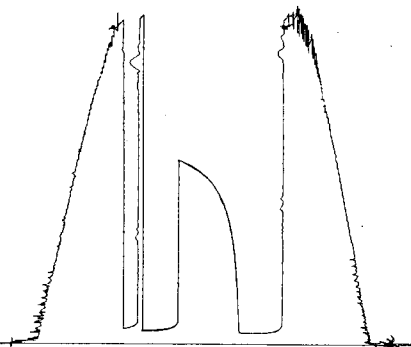


1240

DST-1

2K+ 18724

①





P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº 18734

Elevation 3304 KB Formation Admire Eff. Pay _____ Ft.

District Colby Date 5-14-93 Customer Order No. _____

COMPANY NAME Falcon Exploration Inc

ADDRESS 125 N. Market Inc Wichita KS

LEASE AND WELL NO. Kalbach COUNTY Wichita STATE KS Sec. 16 Twp. 17 Rge. 37

Mail Invoice To Separate Subcontract Co. Name #1 Kalbach Address _____ No. Copies Requested Reg

Mail Charts To Same Address _____ No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3325 ft. to 3414 ft. Total Depth 3414 ft.

Packer Depth 3320 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3325 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3338 ft. Recorder Number 6233 Cap. 1000

Bottom Recorder Depth (Outside) 3341 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Abercrombie Rig #4 Drill Collar Length _____ I. D. _____ in.

Mud Type Native Viscosity 34 Weight Pipe Length 548 I. D. 3.8 in.

Weight 9.3 Water Loss NC cc. Drill Pipe Length 2729 I. D. 3.8 in.

Chlorides 42.000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make NC Serial Number 5 Anchor Length 69 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out No 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 x 1 1/2 in.

Blow: 1FP - Weak steady blow - 1/2" in water

FFP - No blow - Flushed Tool

Recovered 50 ft. of mud - few oil spots in top of tool

Recovered _____ ft. of _____

Recovered _____ ft. of oil less than 1/2

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

MAY 21 1993

Time On Location 1200 A.M. Time Pick Up Tool 130 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 300 P.M. Time Started Off Bottom 455 A.M. Maximum Temperature 108

Initial Hydrostatic Pressure _____ (A) 11600 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 71 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 966 P.S.I.

Final Flow Period _____ Minutes 40 (E) 81 P.S.I. to (F) 81 P.S.I.

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

Final Hydrostatic Pressure _____ (H) 11600 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 Arden Rathoff
Signature of Customer or his authorized representative

Western Representative Mike Shurt

Thanks!

FIELD INVOICE

Open Hole Test \$ 600
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ 25
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ 625

WESTERN TESTING CO., INC.

Pressure Data

Date 5-14-92 Test Ticket No. 18224
 Recorder No. 6222 Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>124</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>67</u> P.S.I.	First Flow Pressure	Mins. <u>20</u>	Mi
C First Final Flow Pressure	<u>63</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>45</u>	Mi
D Initial Closed-in Pressure	<u>95.7</u> P.S.I.	Second Flow Pressure	Mins. <u>35</u>	Mi
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	Mins. <u>1</u>	Mi
F Second Final Flow Pressure	<u>24</u> P.S.I.			
G Final Closed-in Pressure	<u>—</u> P.S.I.			
H Final Hydrostatic Mud	<u>1660</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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>67</u>	0	<u>62</u>	0	<u>80</u>	0	
P 2 5	<u>67</u>	3	<u>220</u>	5	<u>5</u>	3	
P 3 10	<u>60</u>	6	<u>248</u>	10	<u>80</u>	6	
P 4 15	<u>5</u>	9	<u>588</u>	15	<u>82</u>	9	
P 5 20	<u>60</u>	12	<u>685</u>	20	<u>82</u>	12	
P 6 25	<u>65</u>	15	<u>750</u>	25	<u>97 FT</u>	15	
P 7 30	<u>63</u>	18	<u>774</u>	30	<u>80</u>	18	
P 8 35		21	<u>834</u>	35	<u>24</u>	21	
P 9 40		24	<u>864</u>	40		24	
P10 45		27	<u>885</u>	45		27	
P11 50		30	<u>905</u>	50		30	
P12 55		33	<u>920</u>	55		33	
P13 60		36	<u>930</u>	60		36	
P14 65		39	<u>940</u>	65		39	
P15 70		42	<u>949</u>	70		42	
P16 75		45	<u>957</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	

DST REPORT

GENERAL INFORMATION

```
DATE       : 5/14/93
CUSTOMER   : FALCON EXPLORATION, INC
WELL       : #1          TEST: 1
ELEVATION  : 3304 KB
SECTION    : 16
RANGE      : 37W         COUNTY: WICHITA
GAUGE SN#  : 6233        RANGE : 4000
```

TICKET : 18734
LEASE : KALBACH
GEOLOGIST: RATZLAFF
FORMATION: ADMIRE
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3325.00 ft TO: 3414.00 ft TVD: 3414.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3338.0 ft 3341.0 ft
TEMPERATURE: 108.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	568.0 ft	I.D.:	3.200 in
DRILL PIPE LENGTH :	2729.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	89.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	3320.0 ft	SIZE:	6.750 in
PACKER DEPTH:	3325.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE RIG 4
MUD TYPE : NATIVE
WEIGHT : 9.300 ppg
CHLORIDES : 42000 ppm
JARS-MAKE :
DID WELL FLOW?: NO

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VISCOSITY      :      34.00  cp
WATER LOSS    :      0.000  cc

SERIAL NUMBER:
REVERSED OUT?: NO

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COMMENTS

Comment

INITIAL FLOW PERIOD WEAK STEADY BLOW - 1/2 INCH
IN WATER. FINAL FLOW PERIOD NO BLOW - FLUSHED
TOOL.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	0.0	0.0	0.0	100.0	MUD- FEW OIL SPOTS IN TOP
0.0	0.0	0.0	0.0	0.0	OF TOOL - OIL <1%

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.4973	STB	TOTAL FLOW TIME:	65.0000 min.
WATER VOLUME:	0.0000	STB	AVERAGE OIL RATE:	0.0000 STB/D
TOTAL FLUID :	0.4973	STB	AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1680.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	45.00		966.00
FINAL FLOW	40.00	81.00	81.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 1660.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1721.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	63.00
INITIAL SHUT-IN	45.00		957.00
FINAL FLOW	35.00	80.00	74.00

FINAL HYDROSTATIC PRESSURE: 1660.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/14/93	TICKET : 18734
CUSTOMER : FALCON EXPLORATION, INC	LEASE : KALBACH
WELL : #1	GEOLOGIST: RATZLAFF
ELEVATION: 3304 KB	FORMATION: ADMIRE
SECTION : 16	TOWNSHIP : 17S
RANGE : 37W	STATE : KS
GAUGE SN#: 6233	CLOCK : 12
COUNTY: WICHITA	
RANGE : 4000	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	67.00	67.00
5.00	67.00	0.00
10.00	60.00	-7.00
15.00	60.00	0.00
20.00	60.00	0.00
25.00	62.00	2.00
30.00	63.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	270.00	270.00	0.00
6.00	448.00	178.00	0.00
9.00	588.00	140.00	0.00
12.00	685.00	97.00	0.00
15.00	750.00	65.00	0.00
18.00	794.00	44.00	0.00
21.00	834.00	40.00	0.00
24.00	864.00	30.00	0.00
27.00	885.00	21.00	0.00
30.00	903.00	18.00	0.00
33.00	920.00	17.00	0.00
36.00	930.00	10.00	0.00
39.00	940.00	10.00	0.00
42.00	949.00	9.00	0.00
45.00	957.00	8.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	80.00	80.00
5.00	80.00	0.00
10.00	80.00	0.00
15.00	82.00	2.00
20.00	82.00	0.00
25.00	97.00	15.00
30.00	80.00	-17.00
35.00	74.00	-6.00

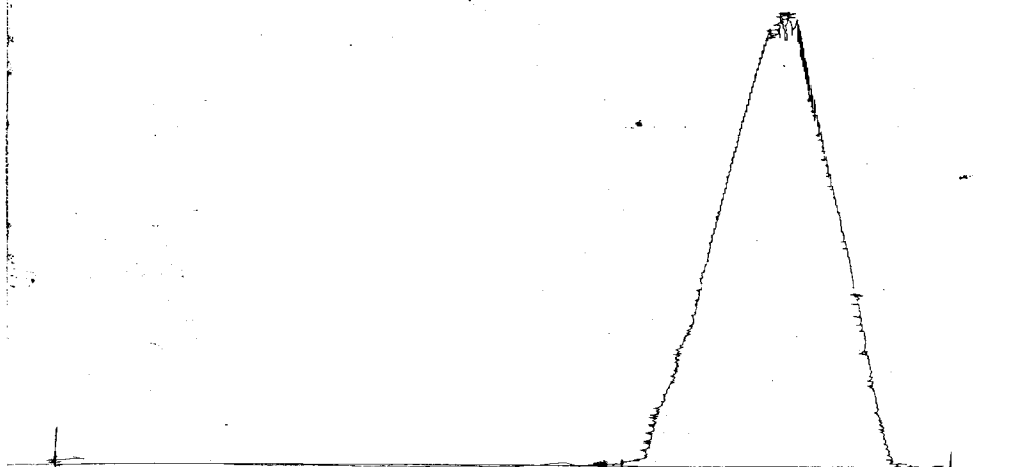
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
			No Data Entered

#2

7K+18735

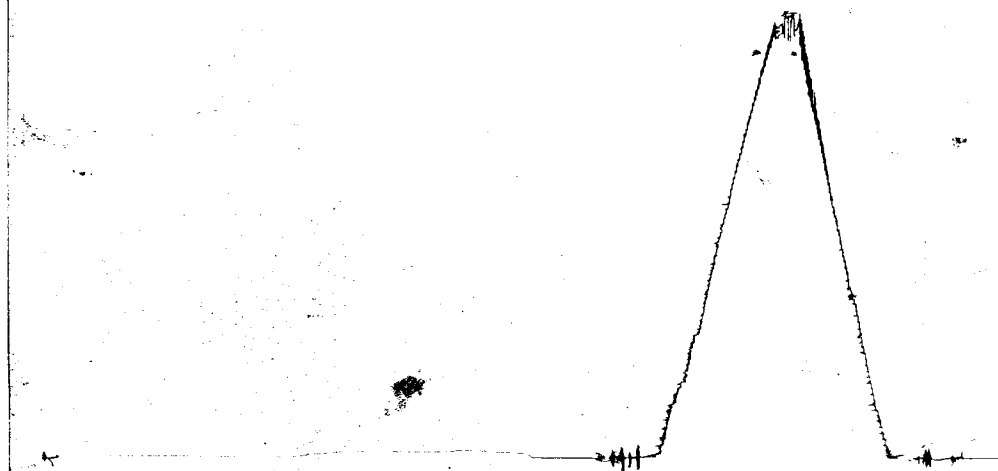
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#2

7K+18735.

0





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 18735

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 3304 RB Formation Marm Eff. Pay Ft.

District Celby Date 5-17-93 Customer Order No.

COMPANY NAME Falcon Exploration, Inc

ADDRESS Wichita KS.

LEASE AND WELL NO Kelbach COUNTY Wichita STATE KS Sec. 16 Twp. 17 Rge. 37

Mail Invoice To #1 Kelbach Same Co. Name Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 4453 ft. to 4582 ft. Total Depth 4582 ft.

Packer Depth 4448 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4453 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4466 ft. Recorder Number 6233 Cap. 4000

Bottom Recorder Depth (Outside) 4469 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Abernethie Rig #4 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 48 Weight Pipe Length 568 I. D. 3.2 in.

Weight 9.0 Water Loss 11.2 cc. Drill Pipe Length 3856 I. D. 3.8 in.

Chlorides 10.000 P.P.M. Test Tool Length 29 ft. Tool Size 5/200 in.

Jars: Make Western Serial Number 415 Anchor Length 129 ft. Size 5/200 in.

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

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

Blow: IFP Misrun - packer failure

Recovered 960 ft. of mud

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Chlorides P.P.M. Sample Jars used Remarks:

MAY 21 1993

Time On Location 10 00 A.M. Time Pick Up Tool A.M. Time Off Location A.M.

Time Set Packer(s) 430 A.M. Time Started Off Bottom 445 A.M. Maximum Temperature P.M.

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

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

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

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

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

Final Hydrostatic Pressure (H) 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 Arden Katzpapp Signature of Customer or his authorized representative

Western Representative Mike Schubert

FIELD INVOICE

Open Hole Test \$
Misrun \$ 400
Straddle Test \$
Jars \$ 225
Selective Zone \$
Safety Joint \$ 25
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 650

DST REPORT

GENERAL INFORMATION

DATE : 5/17/93
CUSTOMER : FALCON EXPLORATION, INC
WELL : #1 TEST: 2
ELEVATION: 3304 KB
SECTION : 16
RANGE : 37W COUNTY: WICHITA
GAUGE SN#: 6233 RANGE : 4000

TICKET : 18735
LEASE : KALBACH
GEOLOGIST: RATZLAFF
FORMATION: MARMATON
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4453.00 ft TO: 4582.00 ft TVD: 4582.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4466.0 ft 4469.0 ft
TEMPERATURE: 0.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	568.0 ft	I.D.:	3.200 in
DRILL PIPE LENGTH :	3856.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	29.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	129.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	4448.0 ft	SIZE:	6.750 in
PACKER DEPTH:	4453.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE RIG 4
MUD TYPE : CHEMICAL
WEIGHT : 9.000 ppg
CHLORIDES : 10000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO

VISCOSITY : 48.00 cp
WATER LOSS: 11.200 cc

SERIAL NUMBER: 415
REVERSED OUT?: NO

COMMENTS

Comment

MISRUN - PACKER FAILURE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
960.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB	
GAS VOLUME: 0.0000 SCF	
MUD VOLUME: 11.1480 STB	TOTAL FLOW TIME: No Events Created
WATER VOLUME: 0.0000 STB	AVERAGE OIL RATE: 0.0000 STB/D
TOTAL FLUID : 11.1480 STB	AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

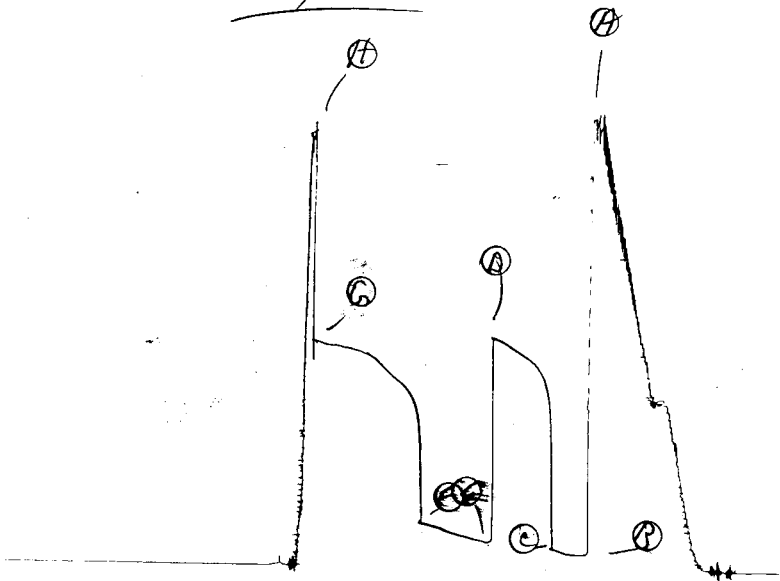
INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

2K+1872.6

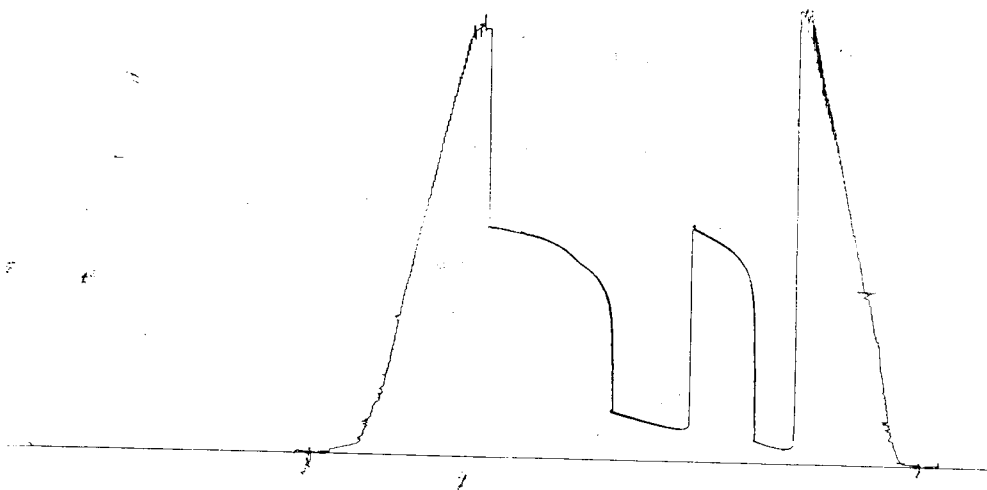
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6233
#3

1340.
#3

7K+18736
0





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 18736

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 3304 KB Formation Marin Eff. Pay _____

District Calby Date 5-17-93 Customer Order No. _____

COMPANY NAME Falcon Exploration, Inc

ADDRESS Wichita ks.

LEASE AND WELL NO Kalbach COUNTY Nichols STATE KS. Sec. 16 Twp. 17 Rge. 37

Mail Invoice To #1 Kalbach Same Co. Name _____ Address _____ No. Copies Requested Reg

Mail Charts To Same Address _____ No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 4357 4474 ft. to 4582 ft. Total Depth 4582 ft.

Packer Depth 4352 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4357 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4390 ft. Recorder Number 6233 Cap. 4000

Bottom Recorder Depth (Outside) 4393 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Abercrombie Rig #4 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 48 Weight Pipe Length 568 I. D. 3.2 in.

Weight 9.0 Water Loss 11.2 cc. Drill Pipe Length 3877 I. D. 3.3 in.

Chlorides 10.000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make Western Serial Number 415 Anchor Length 108 ft. Size 5 1/2 OD 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 1 1/2 NH in.

Blow: IFP - Weak increasing to Fair - 4 1/2" in 10 min - 8" in 30 min

FFP - Weak increasing blow - 1" in 10 min - 5" in 60 min

Recovered 120 ft. of mud

Recovered 390 ft. of water

Recovered - ft. of -

Recovered - ft. of few spots (light scum) of oil in top of tool

Recovered - ft. of -

Chlorides 30.000 P.P.M. Sample Jars used _____ Remarks: _____

MAY 21 1993

Time On Location _____ A.M. P.M. Time Pick Up Tool _____ A.M. P.M. Time Off Location 4:00 A.M. P.M.

Time Set Packer(s) 8 45 A.M. P.M. Time Started Off Bottom 12 30 A.M. P.M. Maximum Temperature 176

Initial Hydrostatic Pressure _____ (A) 2296 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 81 P.S.I. to (C) 121 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1224 P.S.I.

Final Flow Period _____ Minutes 60 (E) 144 P.S.I. to (F) 243 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 1184 P.S.I.

Final Hydrostatic Pressure _____ (H) 2237 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 Andrew Kozlowski

Signature of Customer or his authorized representative

Western Representative Mike Schubert

Thanks!

FIELD INVOICE

Open Hole Test \$ 600
Misrun \$ _____
Straddle Test \$ _____
Jars \$ 225
Selective Zone \$ _____
Safety Joint \$ 25
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ 850

WESTERN TESTING CO., INC.

Pressure Data

Date 5-12-54 Test Ticket No. 18726
 Recorder No. 6222 Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2285</u> P.S.I.			M
B First Initial Flow Pressure	<u>86</u> P.S.I.	First Flow Pressure	Mins. <u>50</u>	Mi
C First Final Flow Pressure	<u>118</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>78</u>	Mi
D Initial Closed-in Pressure	<u>1215</u> P.S.I.	Second Flow Pressure	Mins. <u>50</u>	Mi
E Second Initial Flow Pressure	<u>145</u> P.S.I.	Final Closed-in Pressure	Mins. <u>84</u>	Mi
F Second Final Flow Pressure	<u>239</u> P.S.I.			
G Final Closed-in Pressure	<u>1184</u> P.S.I.			
H Final Hydrostatic Mud	<u>2235</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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>86</u>	0	<u>118</u>	0	<u>145</u>	0	<u>239</u>
P 2 5	<u>86</u>	3	<u>654</u>	5	<u>146</u>	3	<u>690</u>
P 3 10	<u>89</u>	6	<u>917</u>	10	<u>152</u>	6	<u>833</u>
P 4 15	<u>100</u>	9	<u>1000</u>	15	<u>164</u>	9	<u>892</u>
P 5 20	<u>111</u>	12	<u>1040</u>	20	<u>172</u>	12	<u>947</u>
P 6 25	<u>118</u>	15	<u>1068</u>	25	<u>182</u>	15	<u>951</u>
P 7 30		18	<u>1088</u>	30	<u>191</u>	18	<u>972</u>
P 8 35		21	<u>1109</u>	35	<u>208</u>	21	<u>988</u>
P 9 40		24	<u>1120</u>	40	<u>221</u>	24	<u>1005</u>
P10 45		27	<u>1135</u>	45	<u>229</u>	27	<u>1021</u>
P11 50		30	<u>1149</u>	50	<u>239</u>	30	<u>1047</u>
P12 55		33	<u>1162</u>	55		33	<u>1067</u>
P13 60		36	<u>1178</u>	60		36	<u>1088</u>
P14 65		39	<u>1191</u>	65		39	<u>1102</u>
P15 70		42	<u>1201</u>	70		42	<u>1115</u>
P16 75		45	<u>1209</u>	75		45	<u>1122</u>
P17 80		48	<u>1215</u>	80		48	<u>1130</u>
P18 85		51		85		51	<u>1137</u>
P19 90		54		90		54	<u>1142</u>
P20 95		57		95		57	<u>1148</u>
100		60		100		60	<u>1151</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 18206

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		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1156
P 2 110		66		110		66	1160
P 3 115		69		115		69	1161
P 4 120		72		120		72	1164
P 5 125		75		125		75	1168
P 6 130		78		130		78	1177
P 7 135		81		135		81	1181
P 8 140		84		140		84	1184
P 9 145		87		145		87	
P10 150		90		150		90	
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE : 5/17/93
CUSTOMER : FALCON EXPLORATION, INC
WELL : #1 TEST: 3
ELEVATION: 3304 KB
SECTION : 16
RANGE : 37W COUNTY: WICHITA
GAUGE SN#: 6233 RANGE : 4000

TICKET : 18736
LEASE : KALBACH
GEOLOGIST: RATZLAFF
FORMATION: MARMATON
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4474.00 ft TO: 4582.00 ft TVD: 4582.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4390.0 ft 4393.0 ft
TEMPERATURE: 176.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	568.0 ft	I.D.:	3.200 in
DRILL PIPE LENGTH :	3877.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	29.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	108.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	4352.0 ft	SIZE:	6.750 in
PACKER DEPTH:	4357.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE RIG 4
MUD TYPE : CHEMICAL
WEIGHT : 9.000 ppg
CHLORIDES : 10000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO

VISCOSITY : 48.00 cp
WATER LOSS: 11.200 cc

SERIAL NUMBER: 415
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK INCREASING TO FAIR BLOW -
4 1/2 INCHES IN 10 MINUTES; 8 INCHES IN 30 MINUTES
FINAL FLOW PERIOD WEAK INCREASING BLOW - 1 INCH IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

10 MINUTES; 5 INCHES IN 60 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	0.0	100.0	MUD
390.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	FEW SPOTS (LIGHT SCUM) OF
0.0	0.0	0.0	0.0	0.0	OIL IN TOP OF TOOL.
0.0	0.0	0.0	0.0	0.0	CHLORIDES 50000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	80.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.1936 STB	AVERAGE WATER RATE:	69.8256 STB/D
WATER VOLUME:	3.8792 STB		
TOTAL FLUID :	5.0728 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2296.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	81.00	121.00
INITIAL SHUT-IN	45.00		1224.00
FINAL FLOW	60.00	144.00	243.00
FINAL SHUT-IN	90.00		1184.00

FINAL HYDROSTATIC PRESSURE: 2237.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2285.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	118.00
INITIAL SHUT-IN	48.00		1215.00
FINAL FLOW	50.00	145.00	239.00
FINAL SHUT-IN	84.00		1184.00

FINAL HYDROSTATIC PRESSURE: 2235.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/17/93	TICKET : 18736
CUSTOMER : FALCON EXPLORATION, INC	LEASE : KALBACH
WELL : #1	GEOLOGIST: RATZLAFF
ELEVATION: 3304 KB	FORMATION: MARMATON
SECTION : 16	TOWNSHIP : 17S
RANGE : 37W	STATE : KS
COUNTY: WICHITA	CLOCK : 12
GAUGE SN#: 6233	RANGE : 4000

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	86.00	86.00
5.00	86.00	0.00
10.00	86.00	0.00
15.00	89.00	3.00
20.00	100.00	11.00
25.00	111.00	11.00
30.00	118.00	7.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	654.00	654.00	0.00
6.00	917.00	263.00	0.00
9.00	1000.00	83.00	0.00
12.00	1040.00	40.00	0.00
15.00	1068.00	28.00	0.00
18.00	1088.00	20.00	0.00
21.00	1109.00	21.00	0.00
24.00	1120.00	11.00	0.00
27.00	1135.00	15.00	0.00
30.00	1149.00	14.00	0.00
33.00	1162.00	13.00	0.00
36.00	1178.00	16.00	0.00
39.00	1191.00	13.00	0.00
42.00	1201.00	10.00	0.00
45.00	1209.00	8.00	0.00
48.00	1215.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	145.00	145.00
5.00	146.00	1.00
10.00	153.00	7.00
15.00	164.00	11.00
20.00	173.00	9.00
25.00	183.00	10.00
30.00	191.00	8.00
35.00	208.00	17.00
40.00	221.00	13.00
45.00	229.00	8.00
50.00	239.00	10.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	690.00	690.00	0.00
6.00	833.00	143.00	0.00
9.00	893.00	60.00	0.00
12.00	927.00	34.00	0.00
15.00	951.00	24.00	0.00
18.00	972.00	21.00	0.00
21.00	988.00	16.00	0.00
24.00	1005.00	17.00	0.00
27.00	1021.00	16.00	0.00
30.00	1047.00	26.00	0.00
33.00	1067.00	20.00	0.00
36.00	1088.00	21.00	0.00
39.00	1102.00	14.00	0.00
42.00	1115.00	13.00	0.00
45.00	1122.00	7.00	0.00
48.00	1130.00	8.00	0.00
51.00	1137.00	7.00	0.00
54.00	1142.00	5.00	0.00
57.00	1148.00	6.00	0.00
60.00	1151.00	3.00	0.00
63.00	1156.00	5.00	0.00
66.00	1160.00	4.00	0.00
69.00	1161.00	1.00	0.00
72.00	1164.00	3.00	0.00
75.00	1168.00	4.00	0.00
78.00	1177.00	9.00	0.00
81.00	1181.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
84.00	1184.00	3.00	0.00

6225
#4

HK 18222

7

7

5

1

6

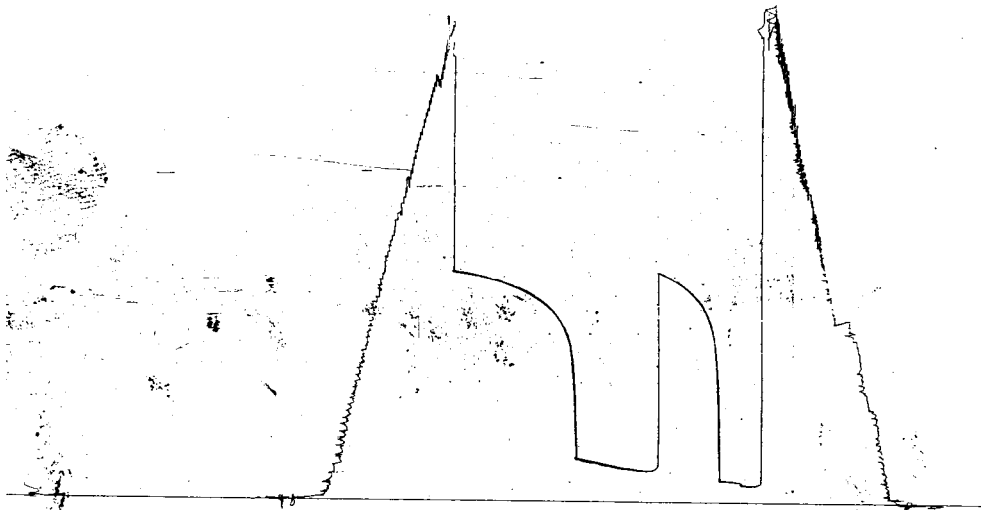
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#4

7K+1827

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

APR
No 18737

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 3304 KB Formation Morrow Eff. Pay Ft.

District Colby Date 5-19-93 Customer Order No.

COMPANY NAME Falcon Exploration, Inc.

ADDRESS Wichita, KS.

LEASE AND WELL NO. Kalbach #1 COUNTY Wichita STATE KS. Sec. 16 Twp. 17 Rge. 37

Mail Invoice To Co. Name Same #1 KA/Bach No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 14 Interval Tested From 4769 ft. to 4896 ft. Total Depth 4896 ft.

Packer Depth 4791 ft. Size 6.34 in. 4769 Packer Depth - ft. Size - in.

Packer Depth 4796 ft. Size 6.34 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4782 ft. Recorder Number 6233 Cap. 4000

Bottom Recorder Depth (Outside) 4785 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Abercrombie Rig #4 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 47 Weight Pipe Length 548 I. D. 3.2 in.

Weight 9.3 Water Loss 12.6 cc. Drill Pipe Length 4170 I. D. 3.8 in.

Chlorides 0.000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 CD in.

Jars: Make Western Serial Number 415 Anchor Length 129 ft. Size 5 1/2 CD 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 XH in.

Blow FFP - fair increasing blow - 3" in 10 min 6" in 30 min

FFP - weak increasing blow - 1" in 10 min 4" in 60 min

Recovered 216 ft. of mud

Recovered 122 ft. of water

Recovered - ft. of

Recovered - ft. of

Recovered 338 ft. total fluid

Chlorides 32.000 P.P.M. Sample Jars used Remarks:

MAY 26 1993

Time On Location 1130 A.M. Time Pick Up Tool 1230 P.M. Time Off Location 900 A.M.

Time Set Packer(s) 220 P.M. Time Started Off Bottom 1005 P.M. Maximum Temperature 132

Initial Hydrostatic Pressure (A) 2386 P.S.I.

Initial Flow Period Minutes 30 (B) 101 P.S.I. to (C) 142 P.S.I.

Initial Closed In Period Minutes 45 (D) 1204 P.S.I.

Final Flow Period Minutes 60 (E) 172 P.S.I. to (F) 233 P.S.I.

Final Closed In Period Minutes 90 (G) 1194 P.S.I.

Final Hydrostatic Pressure (H) 2366 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 Arden Ratliff
Signature of Customer or his authorized representative

Western Representative Mike Shulert

Thanks!

FIELD INVOICE

Open Hole Test \$ 600
Mudrun \$
Straddle Test \$
Jars \$ 225
Selective Zone \$
Safety Joint \$ 25
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 850

WESTERN TESTING CO., INC.

Pressure Data

Date 5-19-92

Test Ticker No. 18227

Recorder No. _____ Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2491</u> P.S.I.		M
B First Initial Flow Pressure	<u>92</u> P.S.I.		Mins. <u>10</u> Mi
C First Final Flow Pressure	<u>138</u> P.S.I.		Mins. <u>1345</u> Mi
D Initial Closed-in Pressure	<u>1105</u> P.S.I.		Mins. <u>55</u> Mi
E Second Initial Flow Pressure	<u>171</u> P.S.I.		Mins. <u>87</u> Mi
F Second Final Flow Pressure	<u>232</u> P.S.I.		
G Final Closed-in Pressure	<u>1102</u> P.S.I.		
H Final Hydrostatic Mud	<u>2417</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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>92</u>	0	<u>138</u>	0	<u>171</u>	0	<u>232</u>
P 2 5	<u>92</u>	3	<u>590</u>	5	<u>171</u>	3	<u>637</u>
P 3 10	<u>108</u>	6	<u>851</u>	10	<u>174</u>	6	<u>791</u>
P 4 15	<u>130</u> ^{0°C}	9	<u>945</u>	15	<u>181</u>	9	<u>876</u>
P 5 20	<u>132</u>	12	<u>992</u>	20	<u>184</u>	12	<u>922</u>
P 6 25	<u>135</u>	15	<u>1020</u>	25	<u>187</u>	15	<u>948</u>
P 7 30	<u>138</u>	18	<u>1057</u>	30	<u>192</u>	18	<u>977</u>
P 8 35		21	<u>1084</u>	35	<u>205</u>	21	<u>999</u>
P 9 40		24	<u>1102</u>	40	<u>211</u>	24	<u>1020</u>
P10 45		27	<u>1118</u>	45	<u>217</u>	27	<u>1037</u>
P11 50		30	<u>1135</u>	50	<u>226</u>	30	<u>1060</u>
P12 55		33	<u>1157</u>	55	<u>232</u>	33	<u>1078</u>
P13 60		36	<u>1175</u>	60		36	<u>1094</u>
P14 65		39	<u>1189</u>	65		39	<u>1105</u>
P15 70		42	<u>1197</u>	70		42	<u>1112</u>
P16 75		45	<u>1205</u>	75		45	<u>1120</u>
P17 80		48		80		48	<u>1128</u>
P18 85		51		85		51	<u>1137</u>
P19 90		54		90		54	<u>1145</u>
P20 95		57		95		57	<u>1157</u>
100		60		100		60	<u>1162</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 18737

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		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1120
P 2 110		66		110		66	1123
P 3 115		69		115		69	1129
P 4 120		72		120		72	1184
P 5 125		75		125		75	1188
P 6 130		78		130		78	1192
P 7 135		81		135		81	1197
P 8 140		84		140		84	1201
P 9 145		87		145		87	1205
P10 150		90		150		90	
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE	: 5/19/93	TICKET	: 18737
CUSTOMER	: FALCON EXPLORATION INC.	LEASE	: KALBACH
WELL	: #1	TEST: 4	GEOLOGIST: RATZLAFF
ELEVATION	: 3304 KB	FORMATION	: MORROW
SECTION	: 16	TOWNSHIP	: 17S
RANGE	: 37W	COUNTY: WICHITA	STATE : KS
GAUGE SN#	: 6233	RANGE : 4000	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4767.00 ft	TO:	4896.00 ft	TVD:	4896.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4782.0 ft		4785.0 ft		
TEMPERATURE:	132.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	568.0 ft	I.D.:		3.200 in	
DRILL PIPE LENGTH :	4170.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	29.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	129.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4791.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	4796.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	ABERCROMBIE RIG 4	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.800 cc
WEIGHT :	9.300 ppg	SERIAL NUMBER:	415
CHLORIDES :	8000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD FAIR INCREASING BLOW - 3
INCHES IN 10 MINUTES- 6 INCHES IN 30 MINUTES.
FINAL FLOW PERIOD WEAK INCREASING BLOW - 1 INCH

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN 10 MINUTES- 4 INCHES IN 60 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
216.0	0.0	0.0	0.0	100.0	MUD
122.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 32000 PPM

RATE INFORMATION

OIL VOLUME: 0.0000 STB
 GAS VOLUME: 0.0000 SCF
 MUD VOLUME: 2.1485 STB
 WATER VOLUME: 1.2135 STB
 TOTAL FLUID : 3.3620 STB

TOTAL FLOW TIME: 85.0000 min.
 AVERAGE OIL RATE: 0.0000 STB/D
 AVERAGE WATER RATE: 20.5580 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2386.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	101.00	142.00
INITIAL SHUT-IN	45.00		1204.00
FINAL FLOW	60.00	172.00	233.00
FINAL SHUT-IN	90.00		1194.00

FINAL HYDROSTATIC PRESSURE: 2366.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
81.00	1197.00	5.00	0.00
84.00	1201.00	4.00	0.00
87.00	1203.00	2.00	0.00