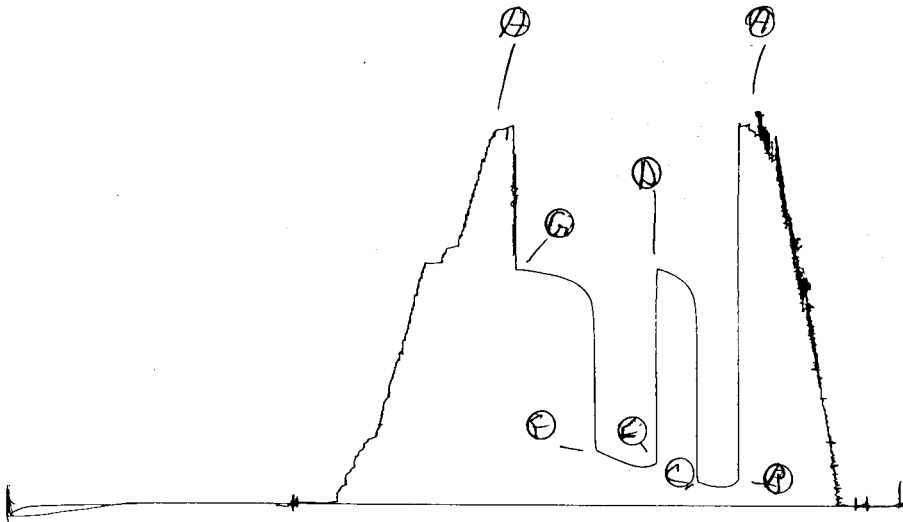


1566  
DST 21

KT 19077.

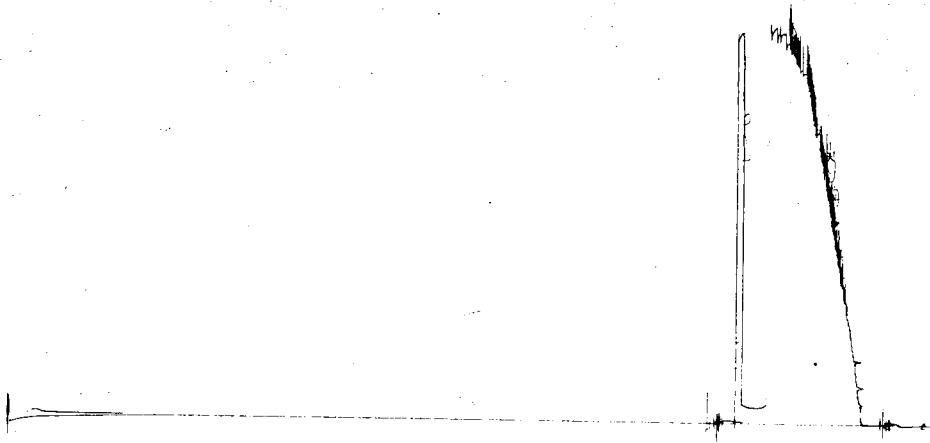
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13548  
DST #1

KT 19077

0





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

WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 19077

Elevation 3185 GL Formation Kansas City "H-I" Eff. Pay \_\_\_\_\_ Ft.

District Garden City Date 5-19-93 Customer Order No. \_\_\_\_\_

COMPANY NAME Landmark Oil Exploration, Inc

ADDRESS 250 N. Water, Suite 308 Wichita KS 67202

LEASE AND WELL NO. Dumber 1-25 COUNTY Thomas STATE KS Sec. 25 Twp. 10<sup>s</sup> Rge. 34<sup>w</sup>

Mail Invoice To \_\_\_\_\_ Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested Reg

Mail Charts To #1-25 Dumber Same \_\_\_\_\_ No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4251 ft. to 4308 ft. Total Depth 4308 ft.

Packer Depth 4246 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4251 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4302 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4305 ft. Recorder Number 13548 Cap. 4075

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor White & Ellis Rig 9 Drill Collar Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Mud Type Chemical Viscosity 49 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 8.9 Water Loss 11.2 cc. Drill Pipe Length 4229 I. D. 3.8 in.

Chlorides 7500 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 57 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 x 1 1/2 in.

Blow: IF Fair Building Blow to Bottom Bucket 13 min. FS No Blow

FF Fair Building B.O. BB 16 min. FS

Recovered 460 ft. of Muddy water

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Chlorides 42000 P.P.M. Sample Jars used \_\_\_\_\_ Remarks: \_\_\_\_\_

MAY 24 1993

Time On Location 615 A.M. Time Pick Up Tool 745 A.M. Time Off Location 300 A.M.

Time Set Packer(s) 915 P.M. Time Started Off Bottom 1200 A.M. Maximum Temperature 114°

Initial Hydrostatic Pressure (A) 2123 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 97 P.S.I. to (D) 129 P.S.I.

Initial Closed In Period (E) 30 Minutes (F) 1302 P.S.I.

Final Flow Period (G) 45 Minutes (H) 205 P.S.I. to (I) 302 P.S.I.

Final Closed In Period (J) 60 Minutes (K) 1302 P.S.I.

Final Hydrostatic Pressure (L) 2091 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 of Customer or his authorized representative

Western Representative \_\_\_\_\_

FIELD INVOICE

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

WESTERN TESTING CO., INC.

Pressure Data

Date 5-19-20

Test Ticket No. 19077

Recorder No. 1566

Capacity \_\_\_\_\_ Location \_\_\_\_\_

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_

Point	Pressure	P.S.I.	Open Tool	M	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2112</u>	P.S.I.	_____	_____	_____	_____
B First Initial Flow Pressure	<u>104</u>	P.S.I.	First Flow Pressure	_____	Mins. <u>10</u>	Mi _____
C First Final Flow Pressure	<u>132</u>	P.S.I.	Initial Closed-in Pressure	_____	Mins. <u>30</u>	Mi _____
D Initial Closed-in Pressure	<u>1315</u>	P.S.I.	Second Flow Pressure	_____	Mins. <u>45</u>	Mi _____
E Second Initial Flow Pressure	<u>114</u>	P.S.I.	Final Closed-in Pressure	_____	Mins. <u>60</u>	Mi _____
F Second Final Flow Pressure	<u>102</u>	P.S.I.				
G Final Closed-in Pressure	<u>1308</u>	P.S.I.				
H Final Hydrostatic Mud	<u>2089</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>104</u>	0	<u>132</u>	0	<u>214</u>	0	<u>1302</u>
P 2 5	<u>104</u>	3	<u>1286</u>	5	<u>214</u>	3	<u>1011</u>
P 3 10	<u>104</u>	6	<u>1171</u>	10	<u>214</u>	6	<u>1152</u>
P 4 15	<u>104</u>	9	<u>1214</u>	15	<u>216</u>	9	<u>1187</u>
P 5 20	<u>106</u>	12	<u>1244</u>	20	<u>228</u>	12	<u>1211</u>
P 6 25	<u>118</u>	15	<u>1259</u>	25	<u>241</u>	15	<u>1228</u>
P 7 30	<u>132</u>	18	<u>1274</u>	30	<u>254</u>	18	<u>1242</u>
P 8 35		21	<u>1282</u>	35	<u>272</u>	21	<u>1252</u>
P 9 40		24	<u>1297</u>	40	<u>284</u>	24	<u>1261</u>
P10 45		27	<u>1304</u>	45	<u>302</u>	27	<u>1269</u>
P11 50		30	<u>1311</u>	50		30	<u>1274</u>
P12 55		33	<u>1315</u>	55		33	<u>1279</u>
P13 60		36		60		36	<u>1285</u>
P14 65		39		65		39	<u>1287</u>
P15 70		42		70		42	<u>1292</u>
P16 75		45		75		45	<u>1296</u>
P17 80		48		80		48	<u>1301</u>
P18 85		51		85		51	<u>1304</u>
P19 90		54		90		54	<u>1306</u>
P20 95		57		95		57	<u>1307</u>
100		60		100		60	<u>1308</u>

DST REPORT

GENERAL INFORMATION

DATE : 5/19/93  
CUSTOMER : LANDMARK OIL EXPLORATION  
WELL : #1-25 TEST: 1  
ELEVATION: 3185 GL  
SECTION : 25  
RANGE : 34W COUNTY: THOMAS  
GAUGE SN#: 1566 RANGE : 4300  
TICKET : 19077  
LEASE : DUMLER  
GEOLOGIST: CAULK  
FORMATION: KANSAS CITY H-I  
TOWNSHIP : 10S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4251.00 ft TO: 4308.00 ft TVD: 4308.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4302.0 ft 4305.0 ft  
TEMPERATURE: 114.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4229.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 22.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 57.0 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: 4246.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4251.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : WHITE & ELLIS RIG 9  
MUD TYPE : CHEMICAL VISCOSITY : 49.00 cp  
WEIGHT : 8.900 ppg WATER LOSS: 11.200 cc  
CHLORIDES : 7500 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD FAIR BUILDING BLOW TO BOTTOM  
OF BUCKET IN 13 MINUTES. FINAL FLOW PERIOD FAIR  
BUILDING BLOW - BOTTOM OF BUCKET IN 16 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
660.0	0.0	0.0	60.0	40.0	MUDDY WATER CHLORIDES 42000 PPM
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	3.7030	STB	AVERAGE WATER RATE:	177.7420	STB/D
WATER VOLUME:	5.5544	STB			
TOTAL FLUID :	9.2574	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2123.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	97.00	129.00
INITIAL SHUT-IN	30.00		1302.00
FINAL FLOW	45.00	205.00	302.00
FINAL SHUT-IN	60.00		1302.00

FINAL HYDROSTATIC PRESSURE: 2091.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2113.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	104.00	132.00
INITIAL SHUT-IN	33.00		1315.00
FINAL FLOW	45.00	214.00	302.00
FINAL SHUT-IN	60.00		1308.00

FINAL HYDROSTATIC PRESSURE: 2089.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5/19/93	TICKET	: 19077
CUSTOMER	: LANDMARK OIL EXPLORATION	LEASE	: DUMLER
WELL	: #1-25	TEST:	: 1
ELEVATION:	3185 GL	GEOLOGIST:	CAULK
SECTION	: 25	FORMATION:	KANSAS CITY H-I
RANGE	: 34W	TOWNSHIP	: 10S
GAUGE SN#:	1566	STATE	: KS
		CLOCK	: 12
		COUNTY:	THOMAS
		RANGE	: 4300

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	104.00	104.00
5.00	104.00	0.00
10.00	104.00	0.00
15.00	104.00	0.00
20.00	106.00	2.00
25.00	118.00	12.00
30.00	132.00	14.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	986.00	986.00	0.00
6.00	1171.00	185.00	0.00
9.00	1214.00	43.00	0.00
12.00	1244.00	30.00	0.00
15.00	1259.00	15.00	0.00
18.00	1274.00	15.00	0.00
21.00	1283.00	9.00	0.00
24.00	1297.00	14.00	0.00
27.00	1304.00	7.00	0.00
30.00	1311.00	7.00	0.00
33.00	1315.00	4.00	0.00

FINAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
-----------------------------	-----------------	----------------

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	214.00	214.00
5.00	214.00	0.00
10.00	214.00	0.00
15.00	216.00	2.00
20.00	228.00	12.00
25.00	241.00	13.00
30.00	254.00	13.00
35.00	272.00	18.00
40.00	284.00	12.00
45.00	302.00	18.00

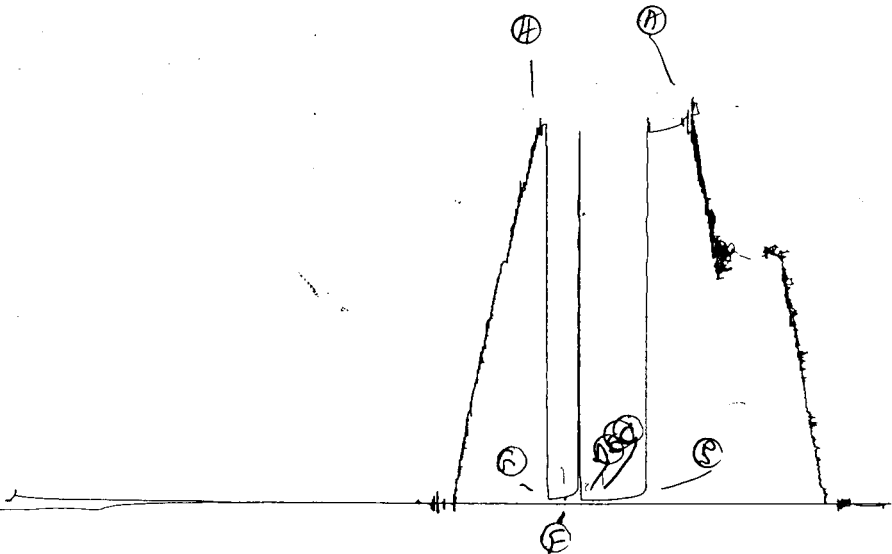
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1011.00	1011.00	0.00
6.00	1152.00	141.00	0.00
9.00	1189.00	37.00	0.00
12.00	1211.00	22.00	0.00
15.00	1228.00	17.00	0.00
18.00	1243.00	15.00	0.00
21.00	1252.00	9.00	0.00
24.00	1261.00	9.00	0.00
27.00	1269.00	8.00	0.00
30.00	1274.00	5.00	0.00
33.00	1279.00	5.00	0.00
36.00	1285.00	6.00	0.00
39.00	1287.00	2.00	0.00
42.00	1291.00	4.00	0.00
45.00	1296.00	5.00	0.00
48.00	1301.00	5.00	0.00
51.00	1304.00	3.00	0.00
54.00	1306.00	2.00	0.00
57.00	1307.00	1.00	0.00
60.00	1308.00	1.00	0.00

1566  
DST #2

DKT 19028

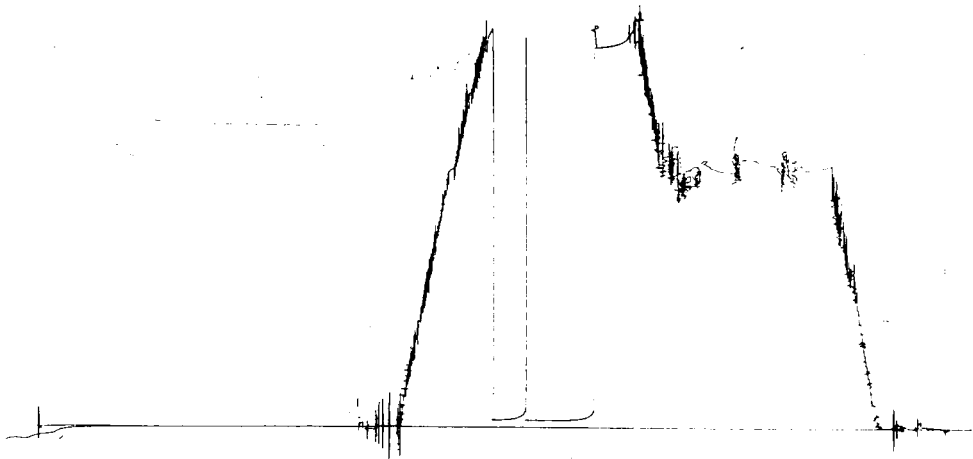
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13548  
DST#2

JK4 19078

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 19078

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

Elevation 3185 Formation KC "J" Eff. Pay Ft.

District Garden City Date 5-20-93 Customer Order No.

COMPANY NAME Landmark Oil Exploration Inc

ADDRESS 250 N. Water, Suite 308 Wichita KS 67202

LEASE AND WELL NO. Dumler 1-25 COUNTY Thomas STATE KS Sec. 25 Twp. 10 Rge. 34

Mail Invoice To #1-25 Dumler Same No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 4310 ft. to 4338 ft. Total Depth 4338 ft.

Packer Depth 4305 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4310 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4328 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4331 ft. Recorder Number 13548 Cap. 4075

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

Drilling Contractor White & Ellis Rig 9 Drill Collar Length - I. D. - in.

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

Weight 9.0 Water Loss 112 cc. Drill Pipe Length 4288 I. D. 3.8 in.

Chlorides 9000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 28 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 1/8 in. Tool Joint Size 4 1/2 x 1/2 in.

Blow: IF Weak Surface Blow dying in 7min IS, No Blow FF No Blow Flush Tool Surge No Blow FS, No Blow

Recovered 5 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

MAY 24 1993

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

Time On Location 1100 A.M. Time Pick Up Tool 1130 A.M. Time Off Location P.M.

Time Set Packer(s) 115 P.M. Time Started Off Bottom 230 P.M. Maximum Temperature 114

Initial Hydrostatic Pressure (A) 2132 P.S.I.

Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 15 (D) 40 P.S.I.

Final Flow Period Minutes 15 (E) 40 P.S.I. to (F) 40 P.S.I.

Final Closed In Period Minutes 15 (G) 40 P.S.I.

Final Hydrostatic Pressure (H) 2102 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] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-20-92 Test Ticket No. 19078  
 Recorder No. 1566 Capacity \_\_\_\_\_ Location \_\_\_\_\_  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2148</u> P.S.I.	_____	_____	_____
B First Initial Flow Pressure	<u>27</u> P.S.I.	First Flow Pressure	_____ Mins.	<u>20</u> Mi
C First Final Flow Pressure	<u>24</u> P.S.I.	Initial Closed-in Pressure	_____ Mins.	<u>15</u> Mi
D Initial Closed-in Pressure	<u>24</u> P.S.I.	Second Flow Pressure	_____ Mins.	<u>15</u> Mi
E Second Initial Flow Pressure	<u>24</u> P.S.I.	Final Closed-in Pressure	_____ Mins.	<u>14</u> Mi
F Second Final Flow Pressure	<u>40</u> P.S.I.			
G Final Closed-in Pressure	<u>28</u> P.S.I.			
H Final Hydrostatic Mud	<u>2110</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 (Ins.)	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	<u>27</u>	0	<u>24</u>	0	<u>24</u>	0	<u>40</u>
5	<u>27</u>	3	<u>24</u>	5	<u>24 FT</u>	3	<u>27</u>
10	<u>27</u>	6	<u>24</u>	10	<u>52</u>	6	<u>24</u>
15	<u>26</u>	9	<u>24</u>	15	<u>40</u>	9	<u>29</u>
20	<u>30</u>	12	<u>24</u>	20		12	<u>28</u>
25	<u>26</u>	15	<u>24</u>	25		15	
30	<u>24</u>	18		30		18	
35		21		35		21	
40		24		40		24	
45		27		45		27	
50		30		50		30	
55		33		55		33	
60		36		60		36	
65		39		65		39	
70		42		70		42	
75		45		75		45	
80		48		80		48	
85		51		85		51	
90		54		90		54	
95		57		95		57	
100		60		100		60	



DST REPORT

GENERAL INFORMATION

DATE : 5/20/93  
CUSTOMER : LANDMARK OIL EXPLORATION  
WELL : #1-25 TEST: 2  
ELEVATION: 3185 GL  
SECTION : 25  
RANGE : 34W COUNTY: THOMAS  
GAUGE SN#: 1566 RANGE : 4300  
TICKET : 19078  
LEASE : DUMLER  
GEOLOGIST: CAULK  
FORMATION: KANSAS CITY J  
TOWNSHIP : 10S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4310.00 ft TO: 4338.00 ft TVD: 4338.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4328.0 ft 4331.0 ft  
TEMPERATURE: 114.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4288.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 22.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 28.0 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: 4305.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4310.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : WHITE & ELLIS RIG 9  
MUD TYPE : CHEMICAL VISCOSITY : 48.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 11.200 cc  
CHLORIDES : 9000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW DYING IN 7  
MINUTES. FINAL FLOW PERIOD NO BLOW - FLUSHED  
TOOL - SURGE - NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.0701 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0701 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2132.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	40.00	40.00
INITIAL SHUT-IN	15.00		40.00
FINAL FLOW	15.00	40.00	40.00
FINAL SHUT-IN	15.00		40.00

FINAL HYDROSTATIC PRESSURE: 2102.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2148.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	37.00	24.00
INITIAL SHUT-IN	15.00		24.00
FINAL FLOW	15.00	24.00	40.00
FINAL SHUT-IN	12.00		28.00

FINAL HYDROSTATIC PRESSURE: 2110.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5/20/93	TICKET	: 19078
CUSTOMER	: LANDMARK OIL EXPLORATION	LEASE	: DUMLER
WELL	: #1-25	TEST:	2
ELEVATION:	3185 GL	GEOLOGIST:	CAULK
SECTION	: 25	FORMATION:	KANSAS CITY J
RANGE	: 34W	TOWNSHIP	: 10S
GAUGE SN#:	1566	STATE	: KS
		CLOCK	: 12
		COUNTY:	THOMAS
		RANGE	: 4300

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	37.00	37.00
5.00	37.00	0.00
10.00	37.00	0.00
15.00	36.00	-1.00
20.00	30.00	-6.00
25.00	26.00	-4.00
30.00	24.00	-2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	24.00	24.00	0.00
6.00	24.00	0.00	0.00
9.00	24.00	0.00	0.00
12.00	24.00	0.00	0.00
15.00	24.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	24.00	24.00
5.00	24.00	0.00
10.00	52.00	28.00
15.00	40.00	-12.00

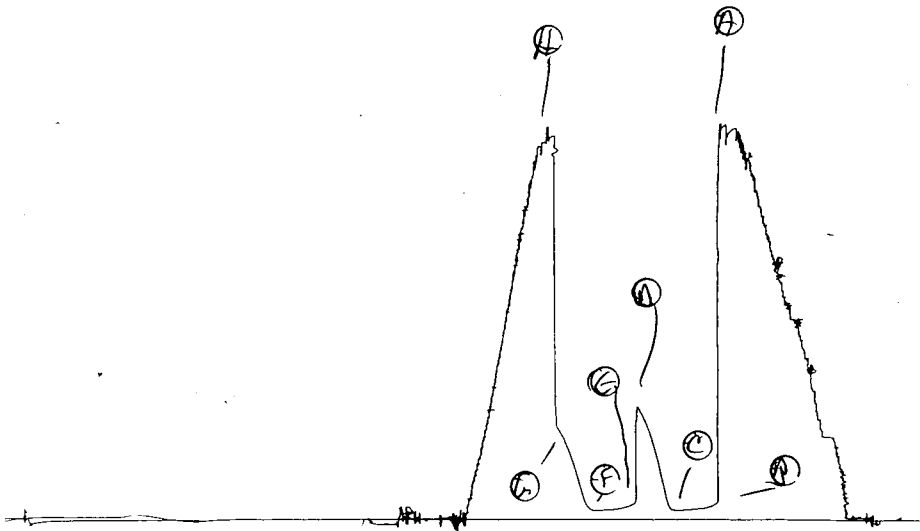
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	37.00	37.00	0.00
6.00	32.00	-5.00	0.00
9.00	29.00	-3.00	0.00
12.00	28.00	-1.00	0.00

1566  
DST 43

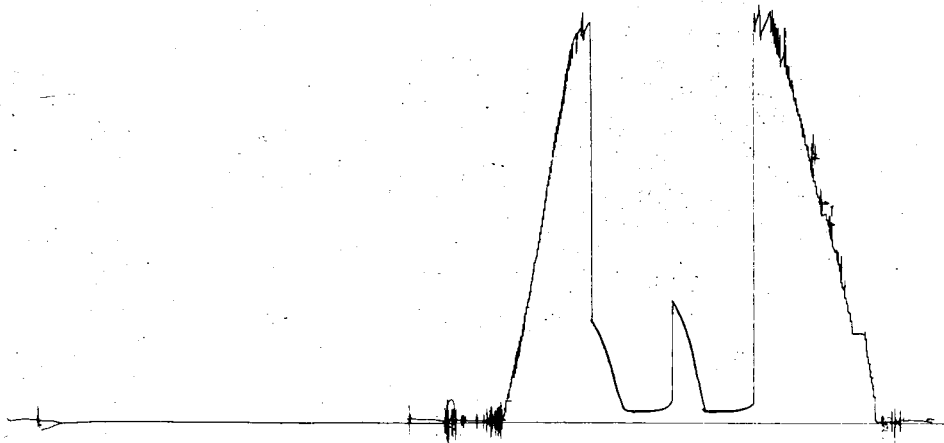
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13548  
DST#3

KT 190 79

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 19079

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

Elevation 3185 GL Formation KC "J-K" Eff. Pay Ft.

District Garden City Date 5-20-93 Customer Order No.

COMPANY NAME Landmark Oil Exploration Inc.

ADDRESS 250 N. Water Suite 308 Wichita KS 67202

LEASE AND WELL NO. Dumler 1-25 COUNTY Thomas STATE KS Sec. 25 Twp. 10 Rge. 34

Mail Invoice To #1-25 Dumler Same Co. Name Address No. Copies Requested Neg

Mail Charts To Same Address No. Copies Requested Neg

Formation Test No. 3 Interval Tested From 4310 ft. to 4364 ft. Total Depth 4364 ft.

Packer Depth 4305 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4310 ft. Size 6 3/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4359 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4362 ft. Recorder Number 13548 Cap. 4075

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

Drilling Contractor White & Ellis Rig 9 Drill Collar Length - I. D. - in.

Mud Type Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 11.2 cc. Drill Pipe Length 4288 I. D. 3.8 in.

Chlorides 9000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 54 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: IF Weak 3/4 in Blow dying in 28 min IS No Blow

FE No Blow FS No Blow

Recovered 15 ft. of Mud w/SLM of oil less than 1%

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks: MAY 24 1993

Time On Location 930 A.M. Time Pick Up Tool 1015 A.M. Time Off Location A.M.

Time Set Packer(s) 1215 P.M. Time Started Off Bottom 215 P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure (A) 2188 P.S.I.

Initial Flow Period Minutes 30 (B) 97 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 626 P.S.I.

Final Flow Period Minutes 30 (E) 75 P.S.I. to (F) 43 P.S.I.

Final Closed In Period Minutes 30 (G) 626 P.S.I.

Final Hydrostatic Pressure (H) 2145 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] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$600, Misc. \$0, Straddle Test \$0, Jars \$0, Selective Zone \$0, Safety Joint \$0, Standby \$0, Evaluation \$0, Extra Packer \$0, Circ. Sub. \$0, Mileage \$0, Fluid Sampler \$0, Extra Charts \$0, Insurance \$0, Telecopier \$0, TOTAL \$600.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-20-92 Test Ticket No. 19079  
 Recorder No. 1566 Capacity \_\_\_\_\_ Location \_\_\_\_\_  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2100</u> P.S.I.	_____	_____	_____
B First Initial Flow Pressure	<u>82</u> P.S.I.	First Flow Pressure	_____	_____
C First Final Flow Pressure	<u>59</u> P.S.I.	Initial Closed-in Pressure	_____	_____
D Initial Closed-in Pressure	<u>62</u> P.S.I.	Second Flow Pressure	_____	_____
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	_____	_____
F Second Final Flow Pressure	<u>57</u> P.S.I.			
G Final Closed-in Pressure	<u>58</u> P.S.I.			
H Final Hydrostatic Mud	<u>2139</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>82</u>	0	<u>59</u>	0	<u>82</u>	0	<u>57</u>
P 2 5	<u>82</u>	3	<u>62</u>	5	<u>82</u>	3	<u>60</u>
P 3 10	<u>72</u>	6	<u>77</u>	10	<u>70</u>	6	<u>86</u>
P 4 15	<u>68</u>	9	<u>150</u>	15	<u>64</u>	9	<u>140</u>
P 5 20	<u>64</u>	12	<u>241</u>	20	<u>59</u>	12	<u>215</u>
P 6 25	<u>62</u>	15	<u>325</u>	25	<u>57</u>	15	<u>291</u>
P 7 30	<u>59</u>	18	<u>410</u>	30	<u>57</u>	18	<u>350</u>
P 8 35		21	<u>486</u>	35		21	<u>412</u>
P 9 40		24	<u>542</u>	40		24	<u>461</u>
P 10 45		27	<u>588</u>	45		27	<u>497</u>
P 11 50		30	<u>622</u>	50		30	<u>518</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	



DST REPORT

GENERAL INFORMATION

DATE : 5/20/93  
CUSTOMER : LANDMARK OIL EXPLORATION  
WELL : #1-25 TEST: 3  
ELEVATION: 3185 GL  
SECTION : 25  
RANGE : 34W COUNTY: THOMAS  
GAUGE SN#: 1566 RANGE : 4300  
TICKET : 19079  
LEASE : DUMLER  
GEOLOGIST: CAULK  
FORMATION: KANSAS CITY J-K  
TOWNSHIP : 10S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4310.00 ft TO: 4364.00 ft TVD: 4364.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4359.0 ft 4362.0 ft  
TEMPERATURE: 115.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4288.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 22.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 54.0 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: 4305.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4310.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : WHITE & ELLIS RIG 9  
MUD TYPE : CHEMICAL VISCOSITY : 48.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 11.200 cc  
CHLORIDES : 9000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 3/4 IN BLOW - DYING IN 28  
MINUTES. FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	MUD W/SCUM OF OIL < 1%

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.2104 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.2104 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2188.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	97.00	43.00
INITIAL SHUT-IN	30.00		626.00
FINAL FLOW	30.00	75.00	43.00
FINAL SHUT-IN	30.00		626.00

FINAL HYDROSTATIC PRESSURE: 2145.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2203.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	82.00	59.00
INITIAL SHUT-IN	30.00		632.00
FINAL FLOW	30.00	82.00	57.00
FINAL SHUT-IN	30.00		518.00

FINAL HYDROSTATIC PRESSURE: 2139.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 5/20/93	TICKET	: 19079
CUSTOMER	: LANDMARK OIL EXPLORATION	LEASE	: DUMLER
WELL	: #1-25	TEST:	: 3
ELEVATION:	: 3185 GL	GEOLOGIST:	: CAULK
SECTION	: 25	FORMATION:	: KANSAS CITY J-K
RANGE	: 34W	TOWNSHIP	: 10S
GAUGE SN#:	: 1566	STATE	: KS
		CLOCK	: 12
		COUNTY:	: THOMAS
		RANGE	: 4300

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	82.00	82.00
5.00	82.00	0.00
10.00	72.00	-10.00
15.00	68.00	-4.00
20.00	64.00	-4.00
25.00	62.00	-2.00
30.00	59.00	-3.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	62.00	62.00	0.00
6.00	77.00	15.00	0.00
9.00	150.00	73.00	0.00
12.00	241.00	91.00	0.00
15.00	325.00	84.00	0.00
18.00	410.00	85.00	0.00
21.00	486.00	76.00	0.00
24.00	542.00	56.00	0.00
27.00	588.00	46.00	0.00
30.00	632.00	44.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	82.00	82.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	82.00	0.00
10.00	70.00	-12.00
15.00	64.00	-6.00
20.00	59.00	-5.00
25.00	57.00	-2.00
30.00	57.00	0.00

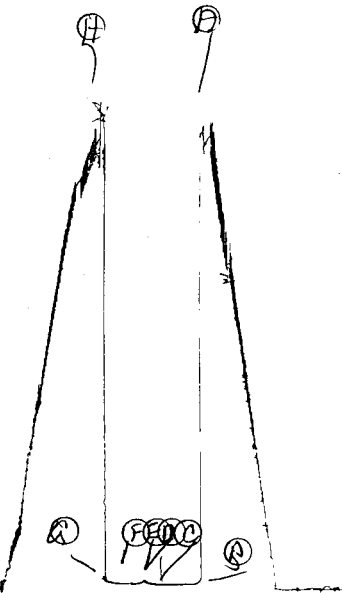
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	60.00	60.00	0.00
6.00	86.00	26.00	0.00
9.00	140.00	54.00	0.00
12.00	215.00	75.00	0.00
15.00	291.00	76.00	0.00
18.00	350.00	59.00	0.00
21.00	413.00	63.00	0.00
24.00	461.00	48.00	0.00
27.00	497.00	36.00	0.00
30.00	518.00	21.00	0.00

DKT 18738

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6579

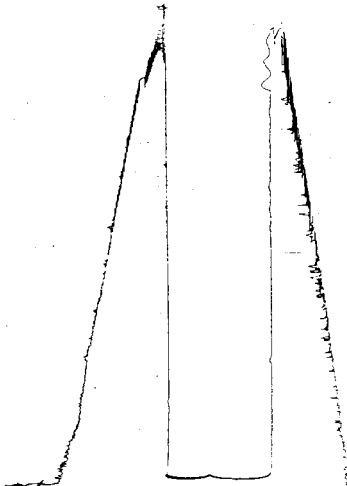


13/11/00

KT 18728

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WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

No 18738

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

Elevation 3185 GR Formation Johnson Eff. Pay Ft.

District Colby Date 5-22-93 Customer Order No.

COMPANY NAME Landmark Oil Exploration, Inc

ADDRESS 250 N Water Suite 308 Wichita KS.

LEASE AND WELL NO Dumber # 1-25 COUNTY Thomas STATE KS. Sec. 25 Twp. 10 Rge. 34

Mail Invoice To Same #1-25 Dumber No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 4 Interval Tested From 4598 ft. to 4675 ft. Total Depth 4675 ft.

Packer Depth 4593 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4598 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4601 ft. Recorder Number 6233 Cap. 4000

Bottom Recorder Depth (Outside) 4604 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor White & Ellis Rig # 9 Drill Collar Length - I. D. - in.

Mud Type Monpac Viscosity 54 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 10.5 cc. Drill Pipe Length 4578 I. D. 3.08 in.

Chlorides 11.500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make NO Serial Number - Anchor Length 77 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3H in. Bottom Choke Size 3H in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IFF - Weak blow - 3 1/4" in water

FFP - Weak blow 1/4" in water

Recovered 30 ft. of S o.c.m. 5 9/16 oil 95 40 mud

Recovered ft. of

Recovered ft. of Scum of oil on top

Recovered ft. of

Recovered ft. of

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

MAY 26 1993

Time On Location 11:00 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location

Time Set Packer(s) 2:00 P.M. Time Started Off Bottom 3:15 P.M. Maximum Temperature 127

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

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

Initial Closed In Period Minutes 15 (D) 50 P.S.I.

Final Flow Period Minutes 15 (E) 30 P.S.I. to (F) 30 P.S.I.

Final Closed In Period Minutes 15 (G) 50 P.S.I.

Final Hydrostatic Pressure (H) 2296 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] Signature of Customer or his authorized representative

Western Representative Mike Skurert

Thanks!

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test (\$600), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-22-50 Test Ticket No. 18758  
 Recorder No. 6222 Capacity \_\_\_\_\_ Location \_\_\_\_\_  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_

Point	Pressure	P.S.I.	Open Tool	M	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>25.54</u>	_____	_____	_____	_____	_____
B First Initial Flow Pressure	<u>35</u>	P.S.I.	First Flow Pressure	_____	Mins. <u>20</u>	Mi _____
C First Final Flow Pressure	<u>35</u>	P.S.I.	Initial Closed-in Pressure	_____	Mins. <u>1</u>	Mi _____
D Initial Closed-in Pressure	<u>51</u>	P.S.I.	Second Flow Pressure	_____	Mins. <u>15</u>	Mi _____
E Second Initial Flow Pressure	<u>37</u>	P.S.I.	Final Closed-in Pressure	_____	Mins. <u>12</u>	Mi _____
F Second Final Flow Pressure	<u>37</u>	P.S.I.	_____	_____	_____	_____
G Final Closed-in Pressure	<u>50</u>	P.S.I.	_____	_____	_____	_____
H Final Hydrostatic Mud	<u>25.21</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>35</u>	0	<u>35</u>	0	<u>37</u>	0	<u>37</u>
P 2 5	<u>35</u>	3	<u>36</u>	5	<u>37</u>	3	<u>37</u>
P 3 10	<u>35</u>	6	<u>39</u>	10	<u>37</u>	6	<u>41</u>
P 4 15	<u>35</u>	9	<u>44</u>	15	<u>37</u>	9	<u>45</u>
P 5 20	<u>35</u>	12	<u>51</u>	20	_____	12	<u>50</u>
P 6 25	<u>35</u>	15	<del>51</del>	25	_____	15	_____
P 7 30	<u>35</u>	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 65	_____	39	_____	65	_____	39	_____
P15 70	_____	42	_____	70	_____	42	_____
P16 75	_____	45	_____	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 : 5/22/93 TICKET : 18738  
CUSTOMER : LANDMARK OIL EXPLORATION LEASE : DUMLER  
WELL : #1-25 TEST: 4 GEOLOGIST: ?  
ELEVATION: 3185 GR FORMATION: JOHNSON  
SECTION : 25 TOWNSHIP : 10S  
RANGE : 34W COUNTY: THOMAS STATE : KS  
GAUGE SN#: 6233 RANGE : 4000 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4598.00 ft TO: 4675.00 ft TVD: 4675.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4601.0 ft 4604.0 ft  
TEMPERATURE: 127.0

DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4578.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 77.0 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: 4593.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4598.0 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. : WHITE & ELLIS RIG 9  
MUD TYPE : MONPAC VISCOSITY : 54.00 cp  
WEIGHT : 9.200 ppg WATER LOSS: 10.500 cc  
CHLORIDES : 11500 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - 3/4 INCHES IN  
WATER. FINAL FLOW PERIOD WEAK BLOW - 1/4 INCH IN  
WATER.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	5.0	0.0	0.0	95.0	SLIGHTLY OIL CUT MUD
0.0	0.0	0.0	0.0	0.0	SCUM OF OIL ON TOP

RATE INFORMATION

OIL VOLUME:	0.0210 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	13.4653 STB/D
MUD VOLUME:	0.3998 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.4208 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2296.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	30.00	30.00
INITIAL SHUT-IN	15.00		50.00
FINAL FLOW	15.00	30.00	30.00
FINAL SHUT-IN	15.00		50.00

FINAL HYDROSTATIC PRESSURE: 2296.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2354.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	35.00	35.00
INITIAL SHUT-IN	12.00		51.00
FINAL FLOW	15.00	37.00	37.00
FINAL SHUT-IN	12.00		50.00

FINAL HYDROSTATIC PRESSURE: 2321.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/22/93	TICKET : 18738
CUSTOMER : LANDMARK OIL EXPLORATION	LEASE : DUMLER
WELL : #1-25            TEST: 4	GEOLOGIST: ?
ELEVATION: 3185 GR	FORMATION: JOHNSON
SECTION : 25	TOWNSHIP : 10S
RANGE : 34W            COUNTY: THOMAS	STATE : KS
GAUGE SN#: 6233        RANGE : 4000	CLOCK : 12

INITIAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	35.00	35.00
5.00	35.00	0.00
10.00	35.00	0.00
15.00	35.00	0.00
20.00	35.00	0.00
25.00	35.00	0.00
30.00	35.00	0.00

INITIAL SHUT IN

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	36.00	36.00	0.00
6.00	39.00	3.00	0.00
9.00	44.00	5.00	0.00
12.00	51.00	7.00	0.00

FINAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	37.00	37.00
5.00	37.00	0.00
10.00	37.00	0.00
15.00	37.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	37.00	37.00	0.00
6.00	41.00	4.00	0.00
9.00	45.00	4.00	0.00
12.00	50.00	5.00	0.00