

TK# 20141

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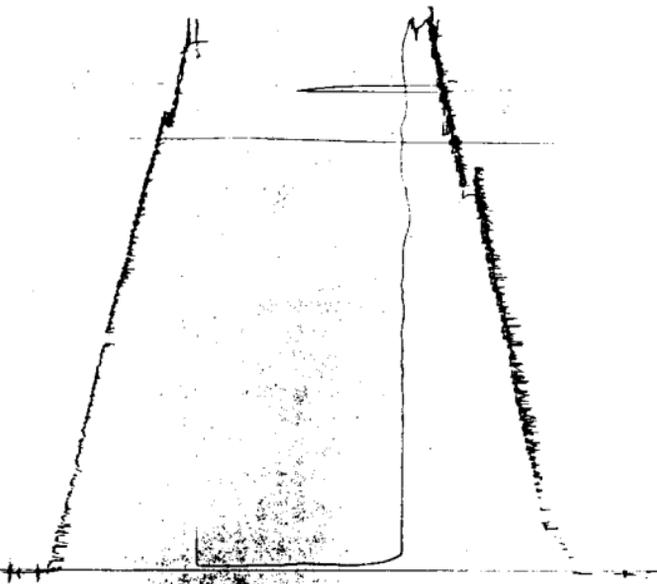


OST# 1
10270

TK# 20141

0.

057A
13550





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 20141

Last

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 2820 GL Formation ATOKA Eff. Pay Ft.

District GREAT BEND Date 12-9-93 Customer Order No.

COMPANY NAME LANDMARK OIL EXPLORATION INC.

ADDRESS 250 N. WATER SUITE 308 WICHITA, KS. 67202

LEASE AND WELL NO. MAYO 'A' #1-15 COUNTY Finney STATE KS Sec. 15 Twp. 24 Rge. 32

Mail Invoice To SAME Co. Name #1-15 MAYO A Address No. Copies Requested Reg

Mail Charts To SAME #1-15 MAYO A Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4559 ft. to 4612 ft. Total Depth 4612 ft.

Packer Depth 4554 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Packer Depth 4559 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4564 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 4567 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor MURFIN DRILLING 2 Drill Collar Length 470 I. D. 2.2 in.

Mud Type Chemical Viscosity 547 Weight Pipe Length I. D. in.

Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4069 I. D. 3.8 in.

Chlorides 1000 P.P.M. Test Tool Length 20 ft. Tool Size 5/2 in.

Jars: Make Serial Number Anchor Length 53 ft. Size 5/2 in.

Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: IF - VERY WEAK BLOW DIED IN 11 MIN. FF - NO BLOW

Recovered 5 ft. of Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

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

Time On Location 7:15 A.M. P.M. Time Pick Up Tool 9:25 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 11:40 A.M. P.M. Time Started Off Bottom 1:40 A.M. P.M. Maximum Temperature 117°

Initial Hydrostatic Pressure (A) 2295 P.S.I.

Initial Flow Period Minutes 30 (B) 31 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 41 P.S.I.

Final Flow Period Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 30 (G) 31 P.S.I.

Final Hydrostatic Pressure (H) 2275 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 Ray Schwager Thank you

FIELD INVOICE

Table with 2 columns: Item Name and 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

0

DATE

12-9-93

Test Ticket No.

20141

Recorder No.

10270

Capacity

Location

Pc

Clock No.

Elevation

Well Temperature

°F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2309 P.S.I.		
B First Initial Flow Pressure	56 P.S.I.	30 Mins	30 Mins
C First Final Flow Pressure	44 P.S.I.	30 Mins	30 Mins
D Initial Closed-in Pressure	52 P.S.I.	30 Mins	30 Mins
E Second Initial Flow Pressure	39 P.S.I.	30 Mins	33 Mins
F Second Final Flow Pressure	39 P.S.I.		
G Final Closed-in Pressure	44 P.S.I.		
H Final Hydrostatic Mud	2260 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 5 mins. and a	of 3 mins. and a	of 5 mins. and a	of 3 mins. and a
final inc. of _____ Min.			

Point	Press.	Point	Press.	Point	Press.	Point	Press.
Min.		Minutes		Minutes		Minutes	
B P 1 0	56	C 0	44	E 0	39	F 0	39
P 2 5	44						39
P 3 10	44					6	
P 4 15	44				39	9	
P 5 20	44					12	
P 6 25	44		44		39	15	40
C P 7 30	44			F 30	39	18	41
P 8 35						21	42
P 9 40			44			24	43
P 10 45			48			27	44
P 11 50		D 30	52			30	44
P 12 55						33	44
P 13 60						36	
P 14 65						39	
P 15 70						42	
P 16 75						45	
P 17 80						48	
P 18 85						51	
P 19 90						54	
P 20 95						57	
100		60		100		60	

DST REPORT

GENERAL INFORMATION

DATE : 12/9/93
CUSTOMER : LANDMARK OIL EXPLORATION
WELL : #1-15 TEST: 1
ELEVATION: 2820 GL
SECTION : 15
RANGE : 32W COUNTY: FINNEY
GAUGE SN#: 10270 RANGE : 4150
TICKET : 20141
LEASE : MAYO A
GEOLOGIST: HOWARD
FORMATION: ATOKA
TOWNSHIP : 24S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4559.00 ft TO: 4612.00 ft TVD: 4612.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4564.0 ft 4567.0 ft
TEMPERATURE: 117.0
DRILL COLLAR LENGTH: 470.0 ft I.D.: 202.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4069.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 53.0 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: 4554.0 ft SIZE: 6.630 in
PACKER DEPTH: 4559.0 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. : MURFIN DRLG RIG 2
MUD TYPE : CHEMICAL VISCOSITY : 54.00 cp
WEIGHT : 9.400 ppg WATER LOSS: 8.800 cc
CHLORIDES : 1000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW - DIED IN 11
MINUTES. FINAL FLOW PERIOD 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: 60.0000 min.
GAS VOLUME: 0.0000 SCF	AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME: 198.1757 STB	AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME: 0.0000 STB	
TOTAL FLUID : 198.1757 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2295.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	31.00	31.00
INITIAL SHUT-IN	30.00		41.00
FINAL FLOW	30.00	31.00	31.00
FINAL SHUT-IN	30.00		31.00

FINAL HYDROSTATIC PRESSURE: 2275.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2309.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	56.00	44.00
INITIAL SHUT-IN	30.00		52.00
FINAL FLOW	30.00	39.00	39.00
FINAL SHUT-IN	33.00		44.00

FINAL HYDROSTATIC PRESSURE: 2260.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/9/93	TICKET	: 20141
CUSTOMER	: LANDMARK OIL EXPLORATION	LEASE	: MAYO A
WELL	: #1-15	TEST:	1
ELEVATION:	2820 GL	GEOLOGIST:	HOWARD
SECTION	: 15	FORMATION:	ATOKA
RANGE	: 32W	TOWNSHIP	: 24S
GAUGE SN#:	10270	STATE	: KS
		CLOCK	: 12
		COUNTY:	FINNEY
		RANGE	: 4150

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	56.00	56.00
5.00	44.00	-12.00
10.00	44.00	0.00
15.00	44.00	0.00
20.00	44.00	0.00
25.00	44.00	0.00
30.00	44.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	44.00	44.00	0.00
6.00	44.00	0.00	0.00
9.00	44.00	0.00	0.00
12.00	44.00	0.00	0.00
15.00	44.00	0.00	0.00
18.00	44.00	0.00	0.00
21.00	44.00	0.00	0.00
24.00	44.00	0.00	0.00
27.00	48.00	4.00	0.00
30.00	52.00	4.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	39.00	39.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	39.00	0.00
10.00	39.00	0.00
15.00	39.00	0.00
20.00	39.00	0.00
25.00	39.00	0.00
30.00	39.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	39.00	39.00	0.00
6.00	39.00	0.00	0.00
9.00	39.00	0.00	0.00
12.00	39.00	0.00	0.00
15.00	40.00	1.00	0.00
18.00	41.00	1.00	0.00
21.00	42.00	1.00	0.00
24.00	43.00	1.00	0.00
27.00	44.00	1.00	0.00
30.00	44.00	0.00	0.00
33.00	44.00	0.00	0.00