

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 6875
Name: Marmik Oil Company
Address 200 N. Jefferson
Ed Dorado, AR 71730
City/State/Zip _____

Purchaser: none
Operator Contact Person: Curt Morrill
Phone (501) -862-8546

Contractor: Name: Lloyd Drilling
License: 3300

Wellsite Geologist: Chris Peters

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:
Operator: _____

Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
3-22-90 3-30-90 3-31-90
Spud Date Date Reached TD Completion Date

API NO. 15- 193-20,509-00-00

County Thomas

E 1/2 W 1/2 SW 1/4 Sec. 19 Twp. 10 Rge. 32 East West

1320 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

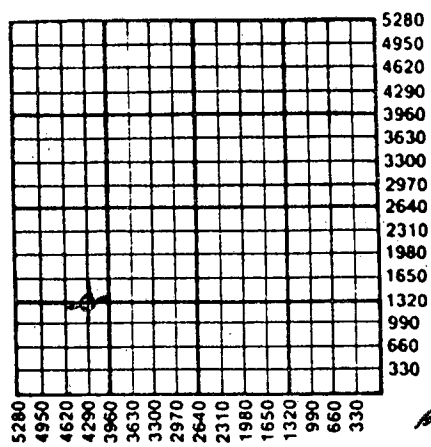
Lease Name Morris Well # 1

Field Name WC

Producing Formation none

Elevation: Ground 3094 KB 3104

Total Depth 4683 P8TD _____



Amount of Surface Pipe Set and Cemented at 295 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. **One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Curt Morrill
Title Geologist Date 4-16-90

Subscribed and sworn to before me this 16 day of April,
19 90

Notary Public Kay B. Risor

Date Commission Expires KAY B. RISOR, Notary Public
Union County, Arkansas
My Commission Expires Feb. 1, 1991

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 Wireline Log Received
C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL Form ACO-1 (7-89)

4-19-90
KCC/KG
X

SIDE TWO

Operator Name Marmik Oil Lease Name Morris Well # 1
 Sec. 19 Twp. 10 Rge. 32 East County Thomas
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 DST #1 4180-4267 30-30-30-30
 Rec. 150' Mud N.S.
 IFP 102-112#
 FFP 132-142#
 SIP 1255-1255#
 DST #2 4266-4304 30-30-30-30
 Rec. 15' Mud SIP 1136-1027#

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	2599	+505
Base	2626	+478
Heebner	4013	- 909
Lansing	4051	-947
Stark	4270	-1166
BKC	4339	-1235
Pawnee	4482	-1378
TD	4683	-1579
no Miss.		

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/2	8 5/8"	20	295	60/40	175	3%CC, 2%gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

J. L. ...

15-193-20509-00-00

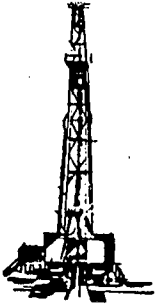
AMERICAN ELEVATIONS, INC.

WICHITA 316-262-3311

P.O. BOX 56

HAYS 913-625-4275

HAYS, KANSAS 67601



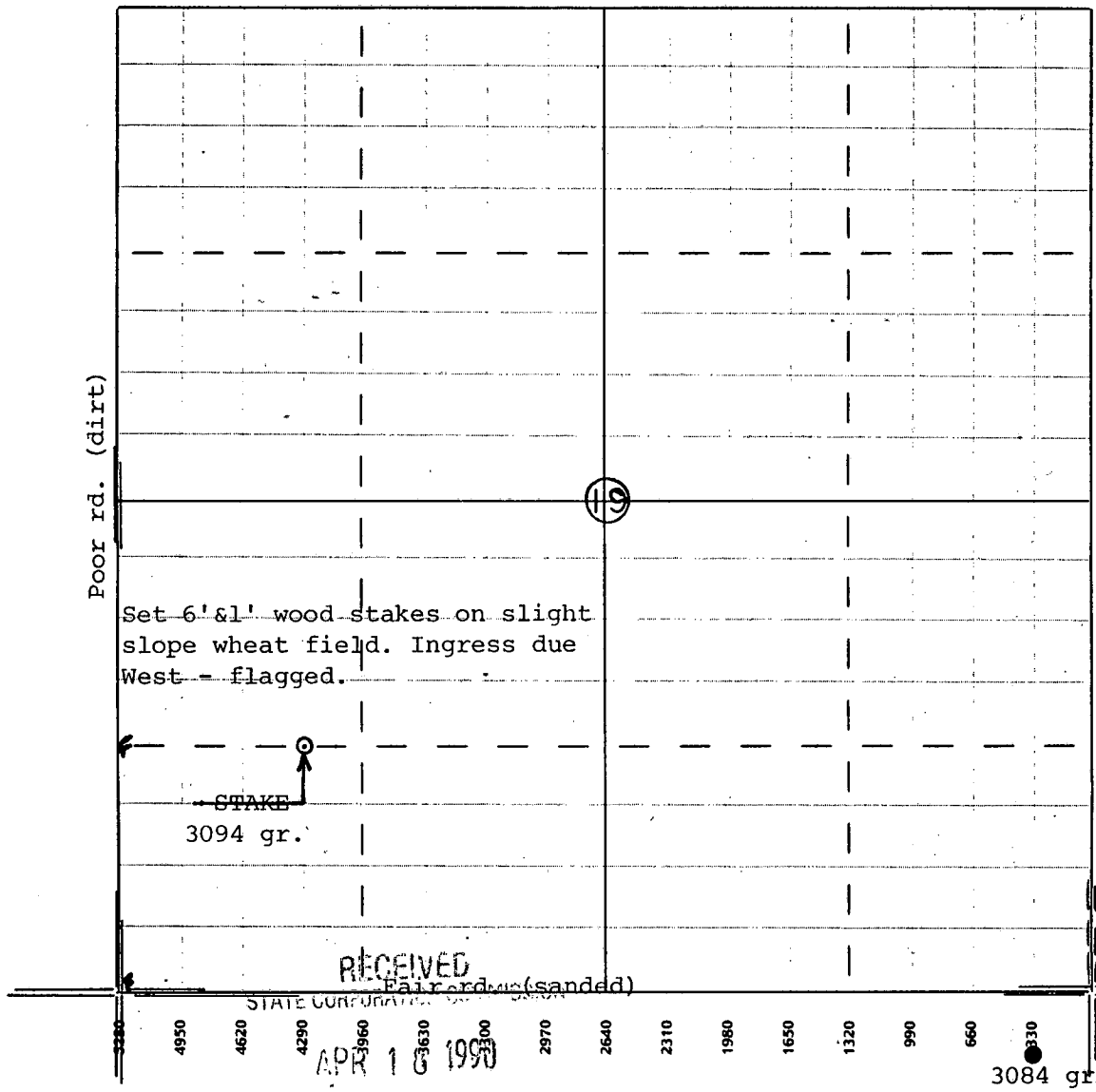
Marmik Oil Company (OPERATOR) 1 (NO) Morris (LEASE)

Thomas (COUNTY) Ks. (STATE) 19 S 10 T 32 W R 1320' ES 4290' FE of Section (LOCATION)

Curtis Morrill (AUTHORIZED BY) 2-15-90 (DATE)



Scale: 1" = 1000'



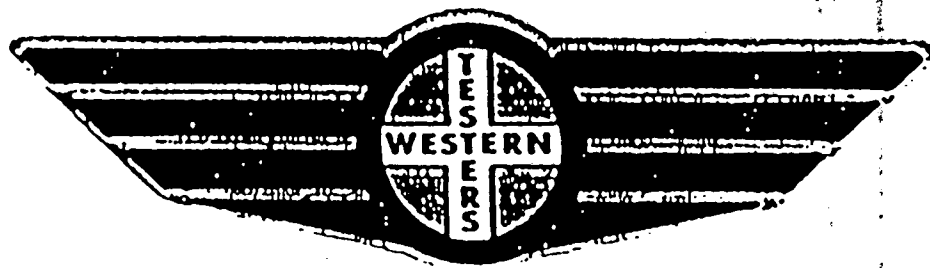
5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330

3 mi. to HWY 83 -
2 mi. S. of IS 70
3084 gr. West - Oakley exit

CONSERVATION DIVISION
Wichita, Kansas

15-193-20509-00-00

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MARMIK OIL COMPANY

LEASE & WELL NO.:

MORRIS #1

SEC. 19

TWP 10SRGE

32W TEST 2

DATE 3/28/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-28-90 TICKET : 15916
CUSTOMER : MARMIK OIL CO. LEASE : MORRIS
WELL : #1 TEST: 2 GEOLOGIST : C. P.
ELEVATION : NA FORMATION : LANSING
SECTION : 19 TOWNSHIP : 10S
RANGE : 32W COUNTY : THOMAS STATE : KANSAS
GAUGE SN# : 3659 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4266 TO : 4304 TOTAL DEPTH : 4304
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4266 SIZE : 6.63
PACKER DEPTH : 4261 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LLOYD #1
MUD TYPE : CHEMICAL VISCOSITY : 45
WEIGHT : 92 WATER LOSS (CC) : 9.2
CHLORIDES (PPM) : 1600
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4244 FT I.D. inch : 0.00
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 38 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK 1/4 INCH
BLOW COMMENT #2 : IN BUCKET
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK 1/8 INCH
BLOW COMMENT #4 : IN BUCKET

15-193-20509-00-00

RECOVERED : 15 FT OF: MUD LITTLE FREE OIL ON TOP OF TOOL

Total Barrels Fluid = 0.00
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 9:20 P.M. TIME STARTED OFF BOTTOM : 11:20 P.M.
WELL TEMPERATURE : 122
INITIAL HYDROSTATIC PRESSURE (A) 2111
INITIAL FLOW PERIOD MIN: 35 (B) 50 PSI TO (C) : 50
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1148
FINAL FLOW PERIOD MIN: 35 (E) 60 PSI TO (F) : 60
FINAL CLOSED IN PERIOD MIN: 30 (G) 1041
FINAL HYDROSTATIC PRESSURE (H) 2095

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY	:	MARMIK OIL CO.
RIG	:	THOMAS-KANSAS
FIELD	:	MORRIS
WELL	:	#1
DATE	:	3-28-90
GAUGE NO	:	3659

OPERATIONAL COMMENTS

15-193-20509-00-00

COMPANY : MARMIK OIL CO.
 WELL : #1
 GAUGE # : 3659
 DATE : 28/ 3/90

FIELD : MORRIS
 JOB # : 15916
 DEPTH : 4304
 TEST :

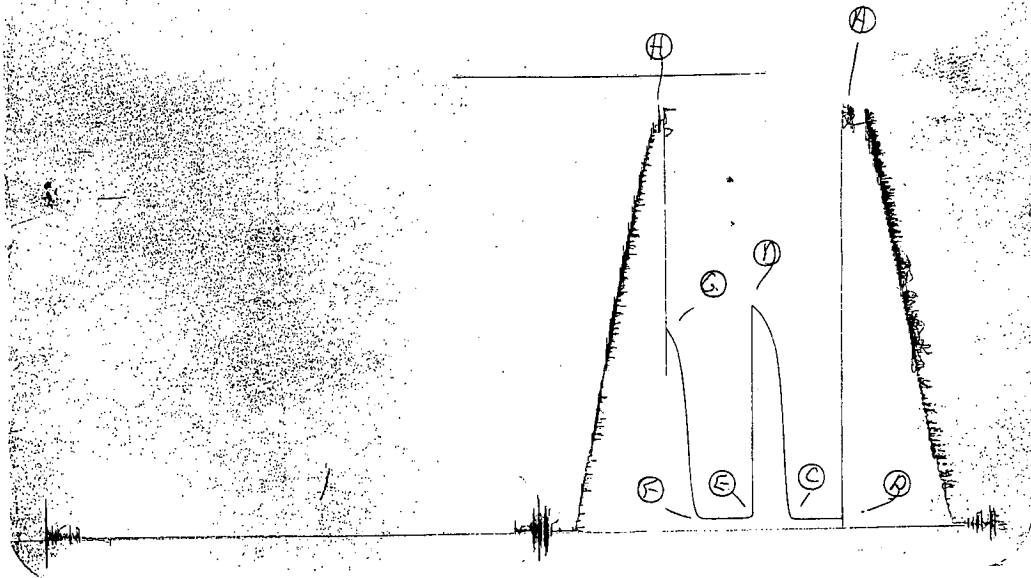
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	9:20: 0	0.000	50.000	122.00	0.000
3	9:24:59	0.083	50.000	122.00	0.000
4	9:30: 0	0.167	50.000	122.00	0.000
5	9:35: 0	0.250	50.000	122.00	0.000
6	9:39:59	0.333	50.000	122.00	0.000
7	9:45: 0	0.417	50.000	122.00	0.000
8	9:50: 0	0.500	50.000	122.00	0.000
9	9:54:59	0.583	50.000	122.00	0.000
INITIAL SHUT-IN PERIOD					
10	9:57:59	0.633	71.000	122.00	21.000
11	10: 0:59	0.683	320.000	122.00	249.000
12	10: 3:59	0.733	643.000	122.00	323.000
13	10: 6:59	0.783	845.000	122.00	202.000
14	10: 9:59	0.833	950.000	122.00	105.000
15	10:12:59	0.883	1013.000	122.00	63.000
16	10:15:59	0.933	1060.000	122.00	47.000
17	10:18:59	0.983	1093.000	122.00	33.000
18	10:21:59	1.033	1120.000	122.00	27.000
19	10:24:59	1.083	1148.000	122.00	28.000
FINAL FLOW PERIOD					
20	10:26: 0	1.100	60.000	122.00	-1088.000
21	10:29:59	1.167	60.000	122.00	0.000
22	10:35: 0	1.250	60.000	122.00	0.000
23	10:39:59	1.333	60.000	122.00	0.000
24	10:44:59	1.417	60.000	122.00	0.000
25	10:50: 0	1.500	60.000	122.00	0.000
26	10:54:59	1.583	60.000	122.00	0.000
FINAL SHUT-IN PERIOD					
27	10:59:59	1.667	60.000	122.00	0.000
28	11: 2:59	1.717	62.000	122.00	2.000
29	11: 5:59	1.767	73.000	122.00	11.000
30	11: 8:59	1.817	141.000	122.00	68.000
31	11:11:59	1.867	388.000	122.00	247.000
32	11:14:59	1.917	622.000	122.00	234.000
33	11:17:59	1.967	803.000	122.00	181.000
34	11:20:59	2.017	900.000	122.00	97.000
35	11:23:59	2.067	967.000	122.00	67.000
36	11:26:59	2.117	1006.000	122.00	39.000
37	11:29:59	2.167	1041.000	122.00	35.000

WESTERN TESTING CO. INC.

3859
#2

KT 15916

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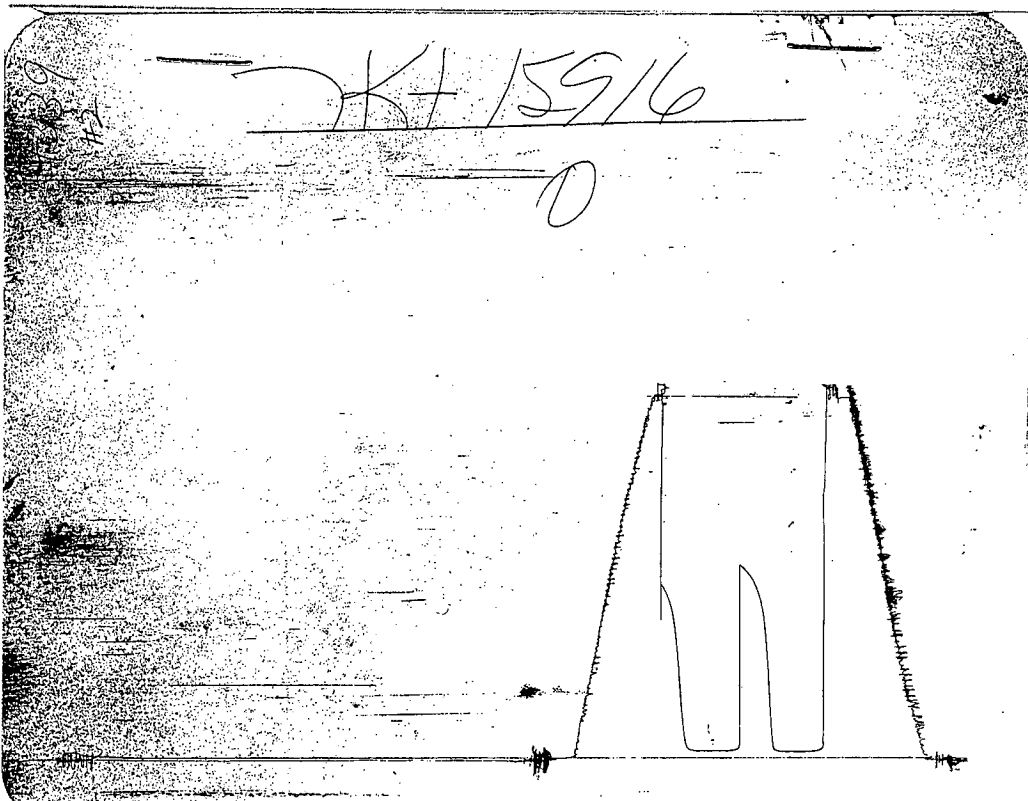


Inside Recorder

3859
#2

KT 15916

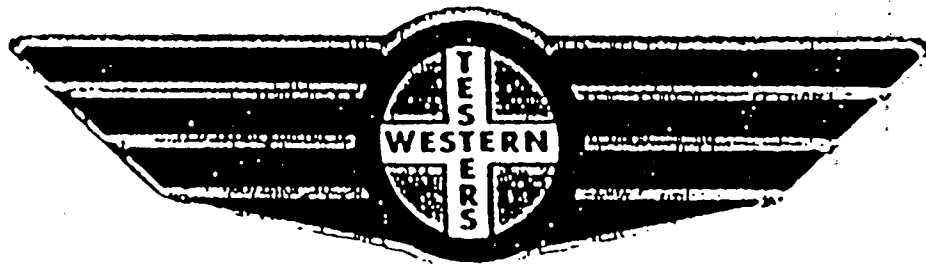
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Outside Recorder

15-193-20509-00-00

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MARMIK OIL COMPANY LEASE & WELL NO. MORRIS #1 SEC. 19 TWP. 10S RGE. 32M TEST 1. DATE 3/28/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-28-90 TICKET : 15915
CUSTOMER : MARMIK OIL CO. LEASE : MORRIS
WELL : #1 TEST: 1 GEOLOGIST : C. P.
ELEVATION : N/A FORMATION : LANSING
SECTION : 19 TOWNSHIP : 10S
RANGE : 32W COUNTY : THOMAS STATE : KANSAS
GAUGE SN# : 3659 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4180 TO : 4267 TOTAL DEPTH : 4267
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4180 SIZE : 6.63
PACKER DEPTH : 4175 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LLOYD #1
MUD TYPE : CHEMICAL VISCOSITY : 45
WEIGHT : 9.1 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 1400
JARS-MAKE :
DID WELL FLOW ? : SERIAL NUMBER :
REVERSED OUT ? :

DRILL COLLAR LENGTH : 30 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4128 FT I.D. inch : 3.80
TEST TOOL LENGTH : 22 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 87 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK 1 1/2 INCH
BLOW COMMENT #2 : IN BUCKET
BLOW COMMENT #3 : INITIAL SHUT-IN PERIOD WEAK 1 INCH
BLOW COMMENT #4 : IN BUCKET

15-193-20509-00-00

RECOVERED : 150 FT OF: MUD

Total Barrels Fluid = 1.82
Total Fluid Prod Rate = 37.53 BFPD
Indicated Wtr Rate = 0.38 BFPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:20 A.M.

TIME STARTED OFF BOTTOM : 8:20 A.M.

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

(A) 2098

INITIAL FLOW PERIOD MIN: 40

(B) 96 PSI TO (C) : 117

INITIAL CLOSED IN PERIOD MIN: 27

(D) 1276

FINAL FLOW PERIOD MIN: 30

(E) 137 PSI TO (F) : 148

FINAL CLOSED IN PERIOD MIN: 33

(G) 1274

FINAL HYDROSTATIC PRESSURE

(H) 2073

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : MARMIK OIL CO.
RIG : THOMAS-KANSAS
FIELD : MORRIS
WELL : #1
DATE : 3-28-90
GAUGE NO : 3659

OPERATIONAL COMMENTS

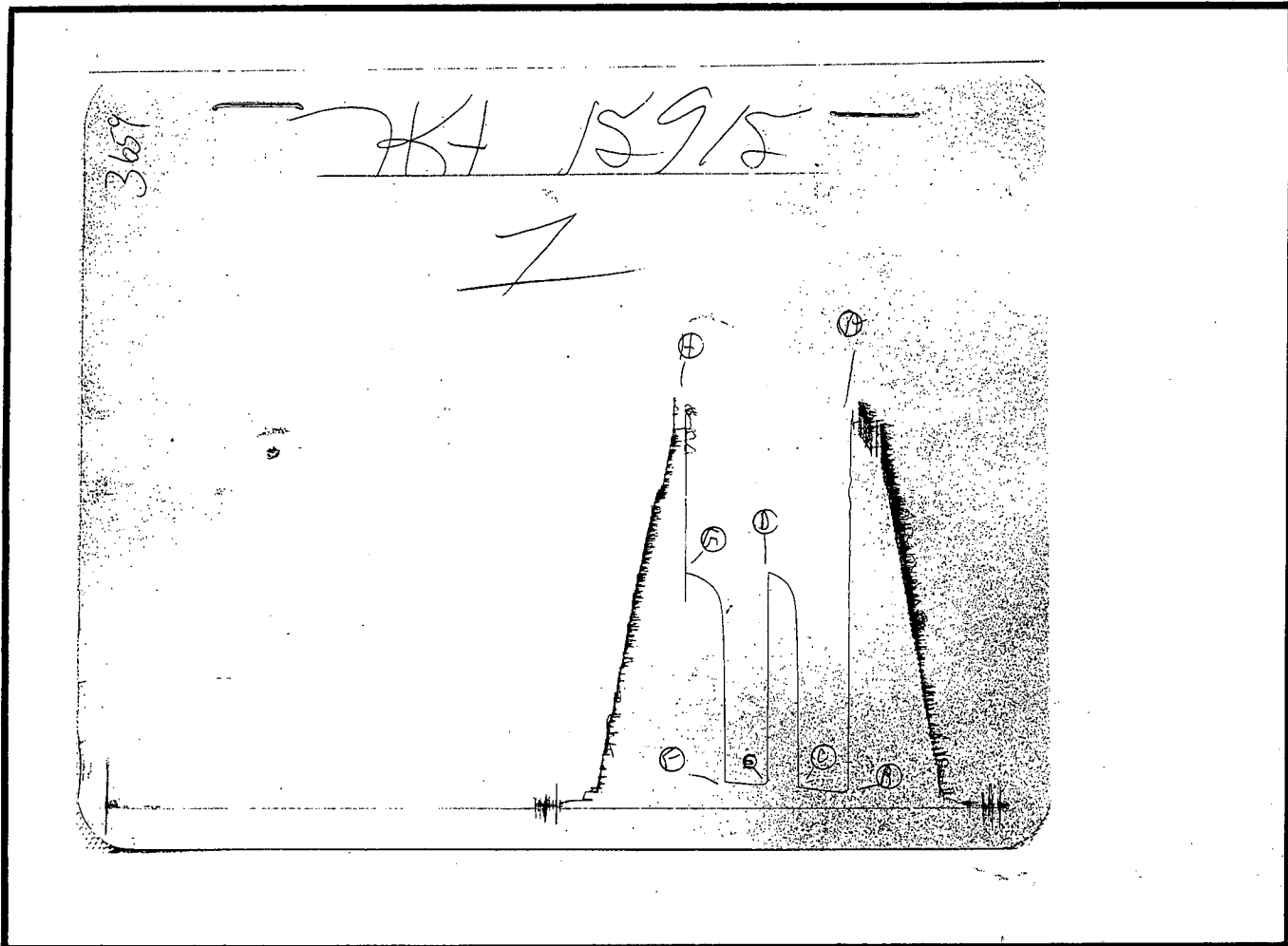
15-193-20509-00-00

COMPANY : MARMIK OIL CO.
 WELL : #1
 GAUGE # : 3659
 DATE : 28/ 3/90

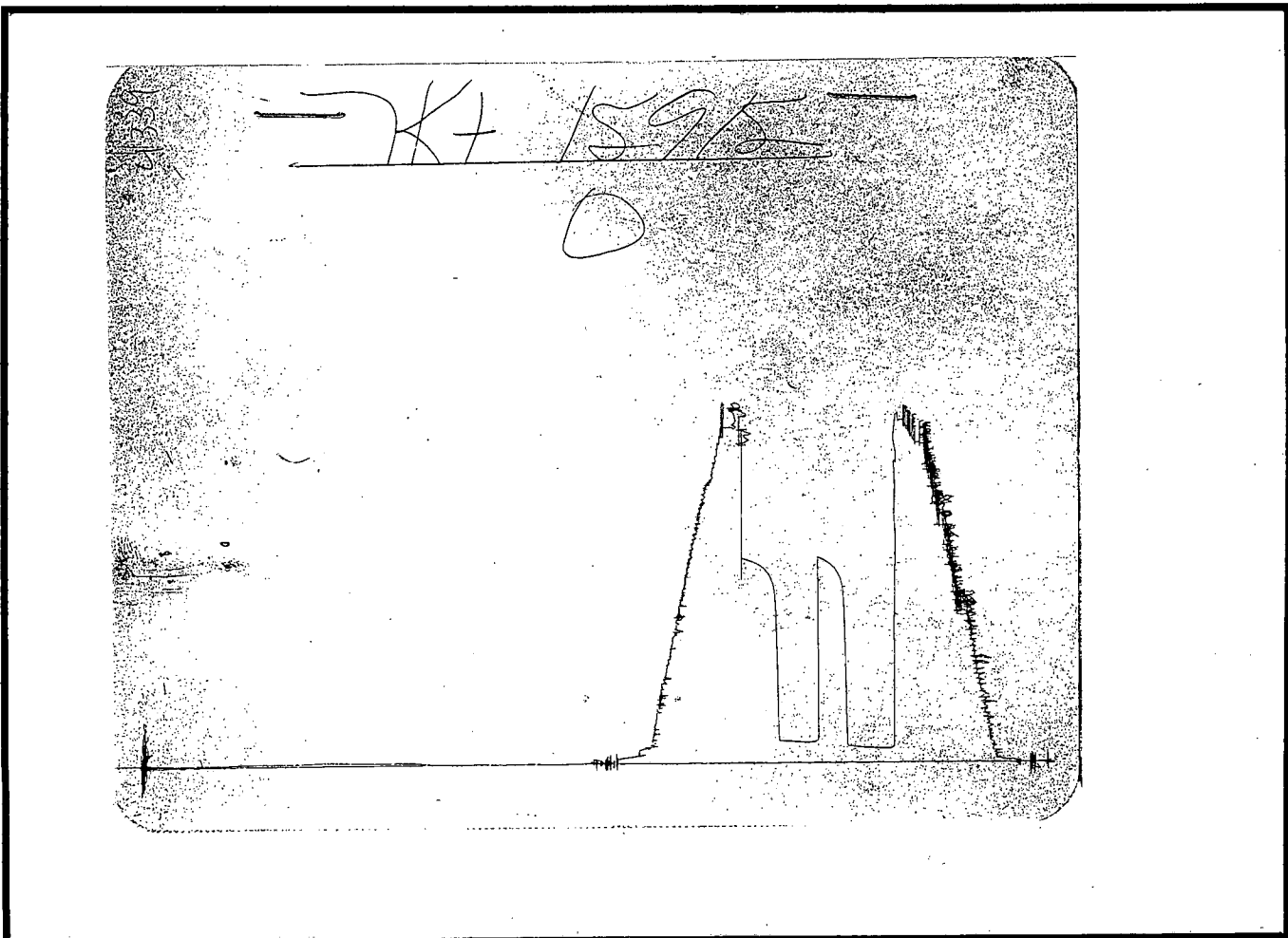
FIELD : MORRIS
 JOB # : 15915
 DEPTH : 4267
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:20: 0	0.000	96.000	118.00	0.000
3	6:24:59	0.083	96.000	118.00	0.000
4	6:30: 0	0.167	96.000	118.00	0.000
5	6:35: 0	0.250	100.000	118.00	4.000
6	6:39:59	0.333	103.000	118.00	3.000
7	6:45: 0	0.417	107.000	118.00	4.000
8	6:50: 0	0.500	112.000	118.00	5.000
9	6:54:59	0.583	115.000	118.00	3.000
10	7: 0: 0	0.667	117.000	118.00	2.000
INITIAL SHUT-IN PERIOD					
11	7: 3: 0	0.717	980.000	118.00	863.000
12	7: 6: 0	0.767	1155.000	118.00	175.000
13	7: 9: 0	0.817	1195.000	118.00	40.000
14	7:12: 0	0.867	1220.000	118.00	25.000
15	7:15: 0	0.917	1240.000	118.00	20.000
16	7:18: 0	0.967	1252.000	118.00	12.000
17	7:21: 0	1.017	1264.000	118.00	12.000
18	7:24: 0	1.067	1270.000	118.00	6.000
19	7:27: 0	1.117	1276.000	118.00	6.000
FINAL FLOW PERIOD					
20	7:28: 0	1.133	137.000	118.00	-1139.000
21	7:31:59	1.200	137.000	118.00	0.000
22	7:37: 0	1.283	137.000	118.00	0.000
23	7:42: 0	1.367	138.000	118.00	1.000
24	7:46:59	1.450	141.000	118.00	3.000
25	7:52: 0	1.533	145.000	118.00	4.000
26	7:57: 0	1.617	148.000	118.00	3.000
FINAL SHUT-IN PERIOD					
27	8: 0: 0	1.667	1015.000	118.00	867.000
28	8: 3: 0	1.717	1146.000	118.00	131.000
29	8: 6: 0	1.767	1184.000	118.00	38.000
30	8: 9: 0	1.817	1206.000	118.00	22.000
31	8:12: 0	1.867	1222.000	118.00	16.000
32	8:15: 0	1.917	1238.000	118.00	16.000
33	8:18: 0	1.967	1250.000	118.00	12.000
34	8:21: 0	2.017	1257.000	118.00	7.000
35	8:24: 0	2.067	1266.000	118.00	9.000
36	8:27: 0	2.117	1270.000	118.00	4.000
37	8:30: 0	2.167	1274.000	118.00	4.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder