

SIDE TWO

Operator Name Marmik Oil Lease Name Wunder Well # J

Sec. 12 Twp. 19S Rge. 21 East West County Ness

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 15-30-15-30 4221-4260

Recovered 676' Sli Muddy Water

IFP 246-256#
 FFP 310-321#
 SIP 438-427#
 HP 2214-2148#

Blow off bottom both openings
 Temp 116°

Name	Top	Bottom
Anhydrite	1443	
Heebner	3706	
Lansing	3748	-1546
BKC	4038	
Ch Shale	4228	-2026
Mississippian	4306	-2104

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/4	8 5/8	20#	317	60/40pos	185	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				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

TRILOBITE TESTING COMPANY

P. O. Box 362 • Hays, Kansas 67601

15-135-23020-00-00

TEST TICKET

No. 536

Well Name & No. Wunder #1 Test No. 1 Date 4/18/86
 Company Marmik Oil Company Zone Tested Charo
 Address 200 N Jefferson El Dorado Arkansas 71730 Elevation 2202
 Co. Rep./Geo. Lee Shobe cont. Mallard Est. Ft. of Pay _____
 Location: Sec. 12 Twp. 19 Rge. 21 Co. Ness State Ks

Interval Tested 4221-4260 Drill Pipe Size 4 1/2 X H
 Anchor Length 39 Top Choke — 1" _____
 Top Packer Depth 4216 Bottom Choke — 3/4" _____
 Bottom Packer Depth 4221 Hole Size — 7 1/8" _____
 Total Depth 4260 Rubber Size — 6 3/4" _____
 Wt. Pipe I.D. — 2.7 _____ Ft. Run _____
 Drill Collar — 2.25 _____ Ft. Run 313
 Mud Wt. 9.2 lb./gal. Viscosity 48 Filtrate 104
 Tool Open @ 5:29 AM Initial Blow strong blow - bottom of bucket in
3 minutes
 Final Blow strong blow bottom of bucket in 8 minutes

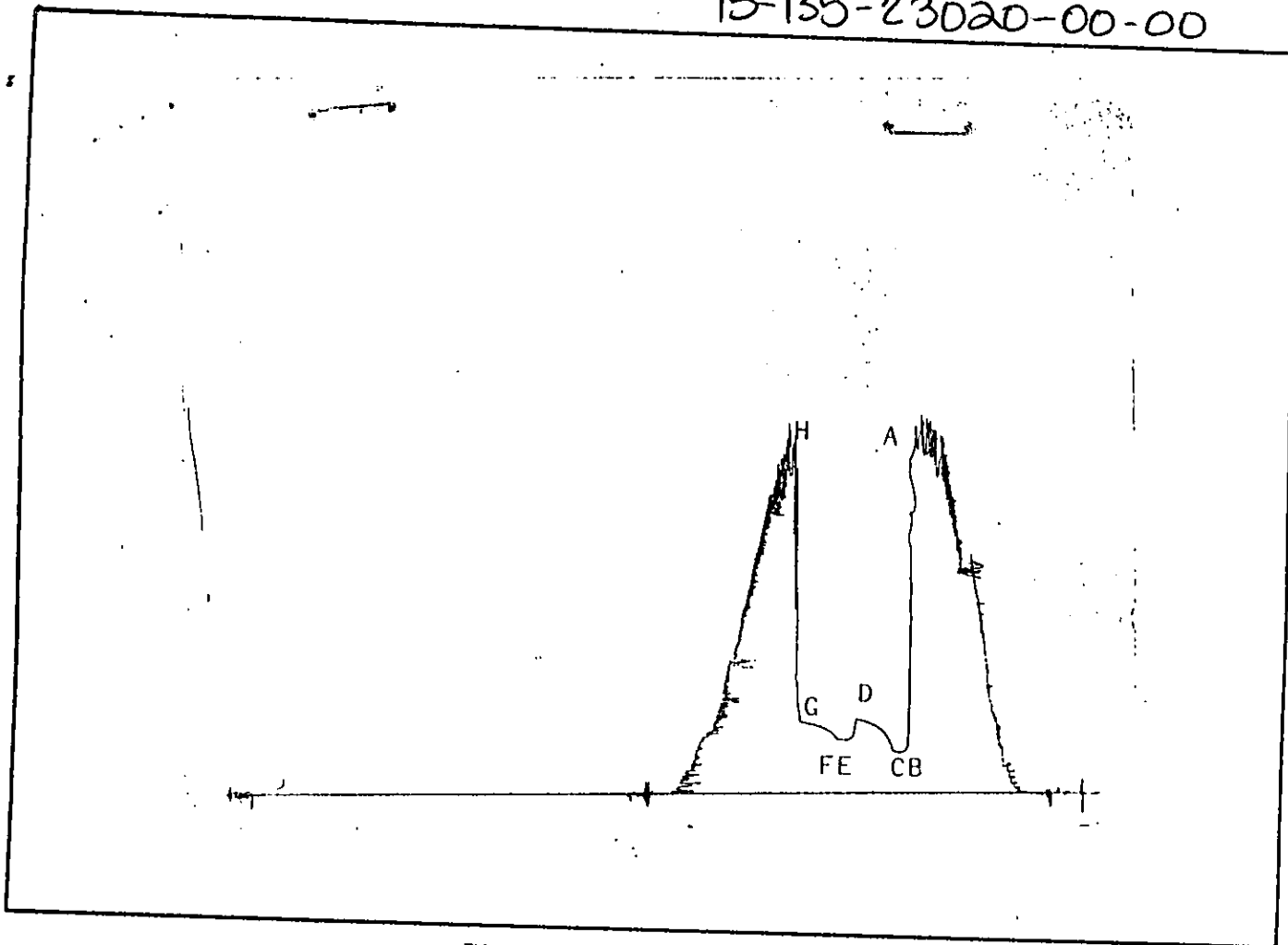
Recovery — Total Feet 676 Flush Tool? _____
 Rec. 676 Feet of Very Muddy H2O
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 116° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .14 @ 94.3 °F Chlorides 34,000 ppm Recovery Chlorides 12,000 ppm System
 (A) Initial Hydrostatic Mud 2214 PSI AK1 Recorder No. 13849 Range 4375
 (B) First Initial Flow Pressure 216 PSI @ (depth) 4254 w/Clock No. 33181
 (C) First Final Flow Pressure 256 PSI AK1 Recorder No. 13850 Range 4325
 (D) Initial Shut-In Pressure 438 PSI @ (depth) 4254 w/Clock No. 31154
 (E) Second Initial Flow Pressure 310 PSI Initial Opening 15
 (F) Second Final Flow Pressure 321 PSI Initial Shut-In 30
 (G) Final Shut-In Pressure 427 PSI Final Flow 15
 (H) Final Hydrostatic Mud 2148 PSI Final Shut-In 30

Approved by Lee B Shobe Test \$ 400
 Extra Equip _____
 Extra Equip _____
 Our Representative Paul Simpson STATE CORPORATION COMMISSION RECEIVED TOTAL PRICE \$ 400
 Printcraft Printers • Hays, KS

MAY 05 1986
 CONSERVATION DIVISION
 Wichita, Kansas

15-135-23020-00-00



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2214.....	2211.79.....	PSI
(B) First Initial Flow Pressure.....	246.....	243.59.....	PSI
(C) First Final Flow Pressure.....	256.....	253.21.....	PSI
(D) Initial Closed-In Pressure.....	438.....	441.24.....	PSI
(E) Second Initial Flow Pressure.....	310.....	318.38.....	PSI
(F) Second Final Flow Pressure.....	321.....	323.72.....	PSI
(G) Final Closed-In Pressure.....	427.....	429.49.....	PSI
(H) Final Hydrostatic Mud.....	2148.....	2158.30.....	PSI

RECEIVED
STATE CORPORATION COMMISSION

MAY 05 1988

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Wichita, Kansas