

COUNTY	LEA	FIELD	Paduca-Delaware	STATE	NM
OPR	O'NEILL, JOSEPH I. JR.				MAP
1 Federal "O"					
Sec. 14, T-25-S, R-32-E				CO-ORD	
660' FSL, 660' FEL of Sec.				30-025-22137	
Spd 5-24-67		CLASS		EL	
Cmp 6-11-67					
		FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING					
8 5/8" 373' 180'					
4 1/2" 4904' 200					
LOGS EL GR RA IND HC A					
		TD 4904', PBD 4897'			
IP Del. Perfs 4851-55' Swbd & Flwd 85 BOPD + 55 BW. Pot. Based on 24 hr test, TP 100#, CP 180#, gravity 42.					

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CONT.	PROP DEPTH	5050'	TYPE	RT
DATE				

6-5-67 F.R. 6-2-67
 PD 5050' - Del. Sd.
 TD 4904', MORT.
 Cored 4814-68', rec 53' being:
 3 1/2' sd., w/NS;
 12 1/2' shly sd., w/scatt show;
 19 1/2' shly sd., w/NS;
 4 1/2' sd., w/good show;
 4' shly sd., w/sli scatt show;
 2' sd., w/good show;
 1' shly sd., w/NS;
 5' sd., w/show;
 1' dns sd., w/NS.

6-5-67

Cont.

DST 4815-68', open 1 hr 25 mins,
GTS 4 mins,
Rec 70' VHOCM, 420' GC Oil + 120' Oil
+ 150' DF,

30 min ISIP 2007#, FP 100-341#,
30 min FSIP 1895#, HP 2528-2528#.

Cored 4868-4904', rec 23' being:
3' clean sd; w/show oil

20' clean sd., w/NS.

6-12-67

TD 4904', PBD 4897', swbg.

Perf @ 4851', 4852', 4853', 4855' W/2 SPI

Acid (4851-55') 200 gals MA

Frac (4851-55') 1000 gals ref. oil + 1000# sd.

Flwd 5.76 BNO thru 20/64" chk. & died.

6-19-67

TD 4904', PBD 4897', COMPLETE.

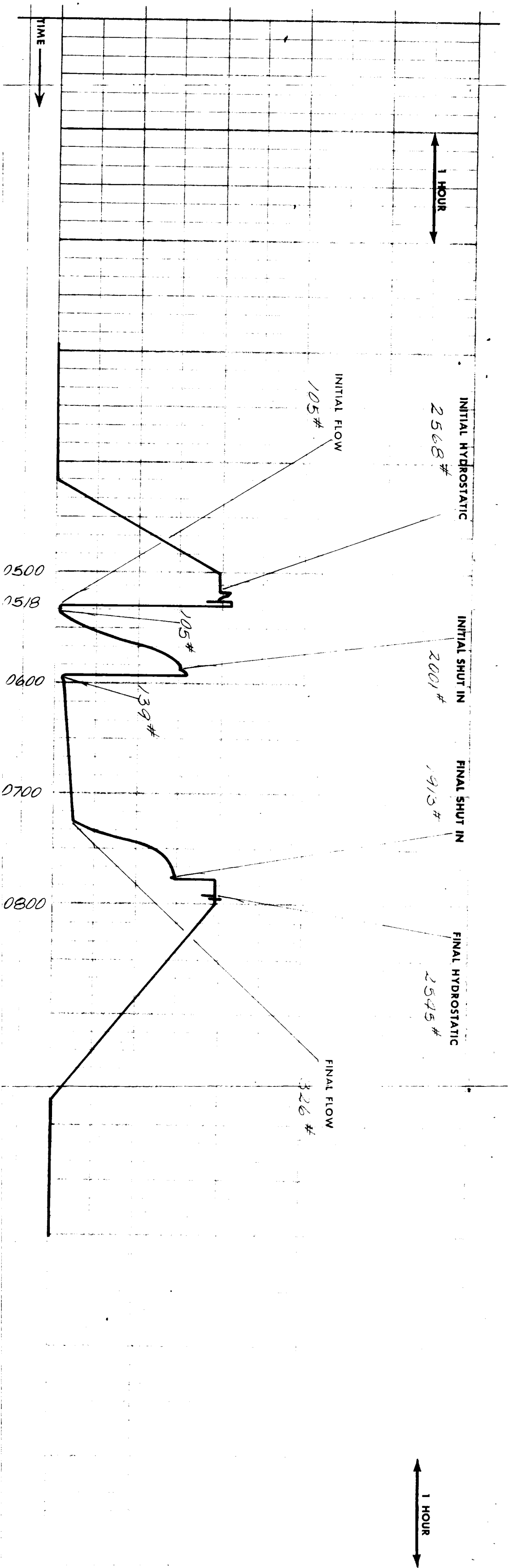
LOG TOPS: Lamar Lm 4772', Ramsey 4814',

Ford Sh 4838', Olds 4850'.



Field Report No. 021258
Instrument: J-106
Capacity 6900 p.s.i.
Depth 4858 ft.

* a continuous tracing of the original chart



[illegible]

Size 5/8"

Mud Type	BRINE	Wt.	10.0
Viscosity	32	Water Loss	9.2 C.C.
Resist: of Mud	.04 @ 84 °F;	of Filtrate	.04 @ 84 °F
Chloride Content	198000		PPM

Type Test	M. F. E.
Formation Tested	DELAWARE
Elevation	- Ft.
Net Productive Interval	- Ft.
Estimated Porosity	- %
All Depths Measured From	KELLY BUSHING
Total Depth	4868 Ft.
Main Hole/Casing Size	7 7/8"
Rat Hole/Liner Size	-

[illegible]

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
VERY HEAVILY OIL CUT MUD	70	.52				@ °F.	@ °F.	
GASSY OIL (UNLOADED)	420	3.38				@ °F.	@ °F.	
OIL	120	1.04				42.2 @ 60 °F.	@ °F.	
DRILLING WATER	150	1.31				@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Field Report No. 02125 B

MR. JACK BARR

1 2 3 4 5

MULTI-FLOW EVALUATOR FLUID SAMPLE REPORT

Date 6-1-67 Field Report No. 02125 B

Company JOSEPH I. O'NEILL, JR.

Well FEDERAL "O"-#1 Field WILD CAT

County LEA State NEW MEXICO

Test Interval 4815' To 4868' Test No. 1

Type of Test M, F, E. Recovery Description SEE

RECOVERY DATA ON SURFACE INFORMATION SHEET

Bot. Hole Temp. 98 °F. Recorded Pressures: ISI * 2001 psig.
SSI - psig.
FF 326 psig.
FSI * 1913 psig.

*Shut-in Pressure did not reach static reservoir pressure.

EVALUATOR SAMPLER UNIT

Sample Drained: ☒ On Location ☐ Service Center ☐ Other _____
☐ Laboratory Name _____
Address _____

Sampler Pressure 185 psig. at Surface

Recovery: Cu. Ft. Gas .70
cc. Oil 1000
cc. Water -
cc. Mud 320
Total Liquid cc. 1320

Gravity - °API - °F.
Gas/Oil Ratio 111 CU.FT./BBL.

RESISTIVITY

Recovery Water .04 (B) 84 °F.
Recovery Mud - (B) - °F.
Recovery Mud Filtrate - (B) - °F.
Mud Pit Sample .04 (B) 84 °F.
Mud Pit Sample Filtrate .04 (B) 84 °F.

CHLORIDE CONTENT

198000 ppm.
- ppm.
198000 ppm.

Remarks _____

PRESSURE DATA

Instrument No.	J-106			Field Report No. 02125 B
Capacity (P.S.I.G.)	6400			
Instrument Depth	4858'			
Instrument Opening	INSIDE			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	98			
				TIME DATA
				Time Given Time Computed
Initial Hydrostatic Mud	A	2568		30 Mins. _____ Mins.
Initial Shut-in	B	* 2001		5 Mins. _____ Mins.
Initial Flow	C	105		- Mins. _____ Mins.
	C-1	105		- Mins. _____ Mins.
	C-2	139		- Mins. _____ Mins.
Final Flow	D	326		80 Mins. _____ Mins.
Final Shut-in	E	* 1913		30 Mins. _____ Mins.
Final Hydrostatic Mud	F	2545		

Remarks:

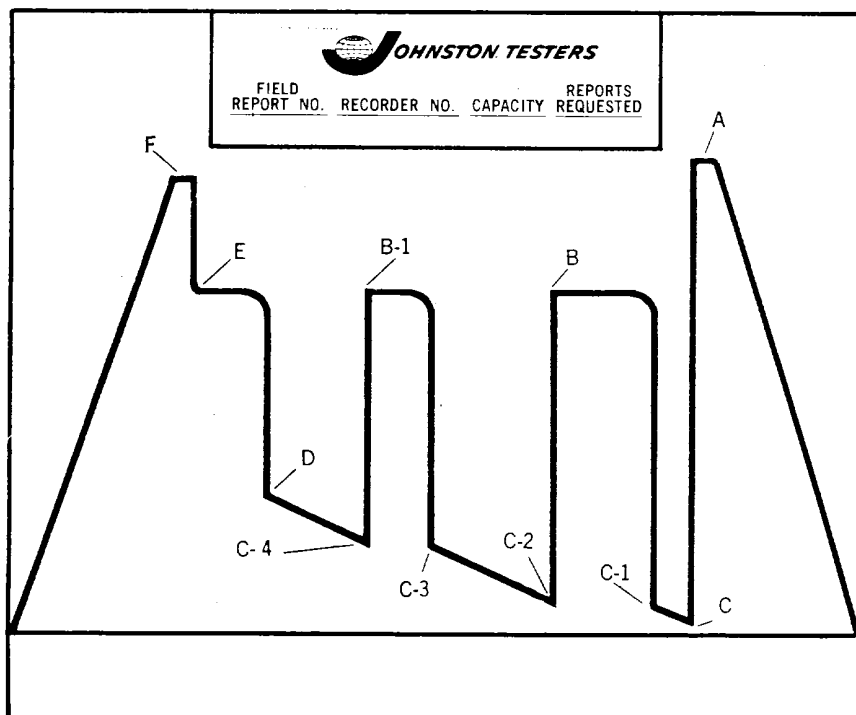
* Shut in pressure did not reach static reservoir pressure.

* Shut in pressure did not reach static reservoir pressure.

PRESSURE INCREMENTS	
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99	100

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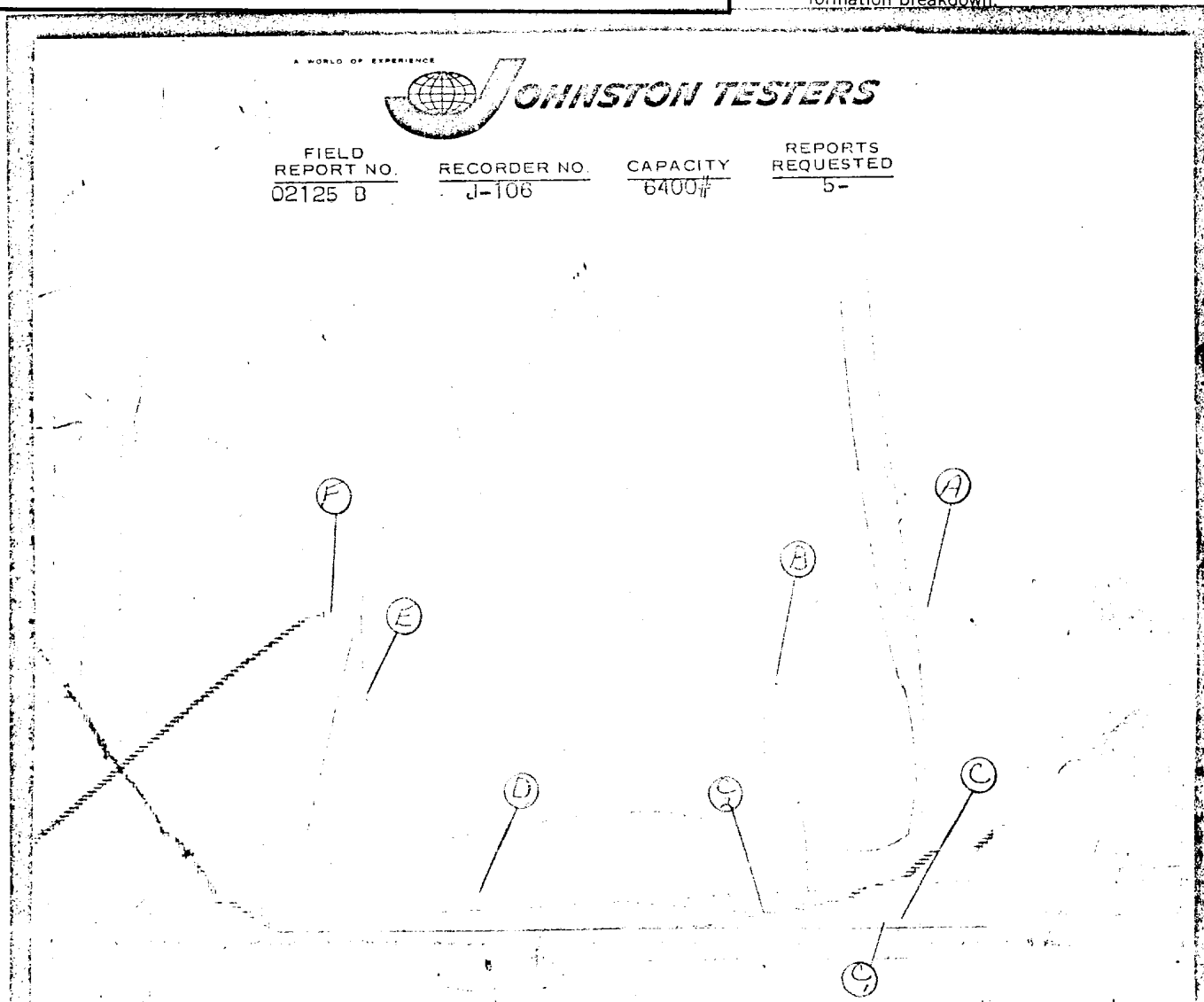
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- A. Initial Hyd. Mud
- B. Initial Shut-in
- C. Initial Flow
- D. Final Flow
- E. Final Shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
- C-1, C-2, C-3, etc. Flowing Pressures
- D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
- E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
- F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
- Z — Special pressure points such as pumping pressure recorded for formation breakdown.

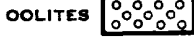




COMPANY JOSEPH I. O'NEILL, JR. FILE NO. WP-4-1676
WELL FEDERAL "O" NO. 1 DATE 5-31-67 ENGRS. HALL
FIELD WILDCAT FORMATION DELAWARE ELEV. _____
COUNTY LEA STATE NEW MEXICO DRUG. FLD. SALT BASE MUD CORES 4" DIAMOND
LOCATION SEC 14, T-25-S, R-32-E REMARKS SAMPLED AS DIRECTED BY CLIENT

COMPLETION COREGRAPH

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SAMPLE CHARACTERISTICS

F=Fractured L=Laminated FG; MG; CG=Type Grain Size S=Stylolitic V=Vuggy

PROBABLE PRODUCTION

O=Oil W=Water G=Gas T=Transitional

