Form C-105
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [ ] Fee [XX]

5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [XX] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name: (none)

8. Farm or Lease Name: Higgins Trust, Inc.

9. Well No.: 2

2. Name of Operator: Amerind Oil Co.

10. Field and Pool, or Wildcat: Northeast Lovington Penn

3. Address of Operator: 500 Wilco Building, Midland, TX 79701

4. Location of Well: UNIT LETTER M LOCATED 660' FEET FROM THE South LINE AND 510 FEET FROM THE West LINE OF SEC. 21 TWP. 16S RGE. 37E NMPM

12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
7/8/84	8/4/84	8/21/84	3800 GL, 3814 KB	3800'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,575'	11,532'		→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,325, 11,407, Strawn

25. Was Directional Survey Made: yes, see attached

26. Type Electric and Other Logs Run: Dual Induction/Focused, Neutron-Density, Acoustilog

27. Was Well Cored: Yes (30')

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5 & 48	385	17 1/2"	420 sx Cls "C"	
8 5/8	32 & 24	4,312	11"	2000 Sx Lite & 300 sx "C"	
5 1/2	17, 20 & 23	11,575	7 7/8"	300 sx Cls "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	11,246	11,246

31. Perforation Record (Interval, size and number)

One hole each @ 11,325, 327, 385, 387, 389, 391, 393, 395, 397, 399, 401 (2), 403, 405, 407 (15 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,325-11,407	5000 gal MOD-202

PRODUCTION

33. Date First Production: 8/22/84 — Production Method (Flowing, gas lift, pumping — Size and type pump): Flowing — Well Status (Prod. or Shut-in): Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
8/24/84	24	30/64"	→	436	418	121	959

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
160 psi	(pkr)	→				43°

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold

Test Witnessed By: Jim Clowe

35. List of Attachments: Record of Inclination, DST & Form C-104 (Request for Allowable)

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Robert C. Leibrock TITLE Vice President DATE 8/30/84

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and mechanical logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

(NOTE: Picks from logs; log reading 25' shallow @ TD)

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy	2096	T. Canyon	10783	T. Ojo Alamo		T. Penn. "B"	
T. Salt	2183	T. Strawn	11195	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	3219	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen	4205	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres	4959	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta	6303	T. McKee		Base Greenhorn		T. Granite	
T. Paddock	6372	T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	7740	T. Granite		T. Todilto		T.	
T. Drinkard	7856	T. Delaware Sand		T. Entrada		T.	
T. Abo	8425	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	9797	T.		T. Chinle		T.	
T. Penn.	10003	T.		T. Permian		T.	
T. Cisco (~~XXXXX~~)	10464	T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 11,366 to 11,450 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet .....

No. 2, from ..... to ..... feet .....

No. 3, from ..... to ..... feet .....

No. 4, from ..... to ..... feet .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
surf	200	200	sand & gravel				
200	2096	1896	red beds				
2096	2183	87	anhy				
2183	3130	947	salt				
3130	4959	1829	alt. anhy, sand, shale, gyp				
4959	9797	4838	dolo w/sand & shale				
9797	11575	1778	alt. lime & shale				

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ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

7. Unit Agreement Name

OIL WELL [XX] GAS WELL [ ] OTHER-

2. Name of Operator: Amerind Oil Co.

8. Farm or Lease Name: Higgins Trust, Inc.

3. Address of Operator: 500 Wilco Building, Midland, Texas 79701

9. Well No.: 2

4. Location of Well

UNIT LETTER M, 660 FEET FROM THE South LINE AND 510 FEET FROM THE West LINE, SECTION 21 TOWNSHIP 16S RANGE 37E NMPM.

10. Field and Pool, or Wildcat: Northeast Lovington Penn (Strawn)

15. Elevation (Show whether DF, RT, GR, etc.): 3800' GL, 3814' KB

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]			COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	CHANGE PLANS	[ ]	CASING TEST AND CEMENT JOB	[ ]		
				OTHER Install pumping equipment			[X]
OTHER			[ ]				

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7/1/85: Ran 2½" x 1 3/4" x 24' pump, 1 2'x7/8" pony rod, 12 7/8" rods, 113 3/4" rods, 98 7/8" rods, 94 1" rods, 1 6'x1" pony rod, 1 8'x1" pony rod, 1 4'x1" pony rod, hung on with 26' polish rod. Set American 640-365-144 pumping unit.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Robert C. Leibrock TITLE Vice President DATE July 11, 1985

APPROVED BY [illegible] TITLE DATE JUL [illegible]

CONDITIONS OF APPROVAL, IF ANY:

JUL

FIELD _____ COUNTY Lea, N. _____ OCC NUMBER _____

OPERATOR Amerind Oil Company ADDRESS 500 Wilco Building, Midland, Texas 79701

LEASE Higgins Trust, Inc. WELL NO. 2

SURVEY 660' FSL & 510' FWL of Section 21, T-16-S, R-37-E

RECORD OF INCLINATION

DEPTH (FEET)	ANGLE OF INCLINATION (DEGREES)
385	3/4
882	1/2
1,382	3/4
1,864	1/2
2,121	1
2,614	1/2
3,108	3/4
3,702	3/4
4,195	1
4,300	1
4,800	1/2
5,298	3/4
5,788	3/4
6,284	3/4
6,664	3/4
7,151	1
7,649	1/2
8,147	1/2
8,647	1/2
9,143	3/4
9,301	1/4
9,768	1/2
10,172	1/2
10,667	3/4
10,967	1 1/4
11,398	2
11,575	1 3/4

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: _____
Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

17th day of August,

_____ Notary Public in and for Midland County, Texas

Margaret B. Anderson

JOHNSTON

Schlumberger

computerized data analysis

COMPANY AMERIND OIL COMPANY WELL HIGGINS TRUST #2 TEST NO. 2 (11551' TO 11552') COUNTY LEA STATE NEW MEXICO

FIELD REPORT #53988E

Schlumberger

COMPUTERIZED DATA ANALYSIS

AUGUST 16, 1984

GENTLEMEN:

THE FOLLOWING IS AN ANALYSIS OF THE DRILLSTEM TEST ON THE LOWER STRAWN FORMATION OF HIGGINS TRUST #2. A FLOW RATE OF 724 BLPD WAS CALCULATED FROM THE PRESSURE DIFFERENTIAL OF THE TOTAL FLOW PERIOD. THIS LIQUID RATE WAS COMPOSED OF 97% OIL WITH 43.6°API GRAVITY AND 3% WATER WITH 28000 PPM CHOLORIDES.

THIS SYSTEM BEHAVES AS A HOMOGENEOUS RESERVOIR WITH WELLBORE STORAGE AND SKIN. A PERMEABILITY-THICKNESS (KH) OF 1480 MD-FT WAS FOUND FOR THE REPORTED 83 FOOT NET INTERVAL, GIVING A PERMEABILITY (K) OF 17.8 MD. EFFECTIVE TO OIL. A DAMAGE RATIO OF 7.6 WAS CALCULATED, INDICATING THAT WELLBORE DAMAGE WAS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. A SKIN FACTOR OF 32.7 WAS DETERMINED.

A RESERVOIR PRESSURE OF 2697 PSIA WAS FOUND FROM THE EXTRAPOLATION OF THE FINAL SHUT-IN PERIOD. EXTRAPOLATION OF THE INITIAL SHUT-IN YIELDED A PRESSURE OF 2708 PSIA.

NODAL ANALYSIS OF THE WELL TEST DATA WAS RUN TO SHOW THE OPTIMUM SHOT DENSITY FOR 2 7/8 INCH TUBING WITH VARIOUS WELLHEAD PRESSURES. THE FOLLOWING PLOT REPRESENTS A SYSTEM WITH SKIN = 32.7 AND WITH SKIN REMOVED (0). BOTH CURVES SHOW THAT THE OPTIMUM SHOT DENSITY IS ABOUT 2 SHOTS/FOOT GIVING THE RESULTING PRODUCTION RATE:

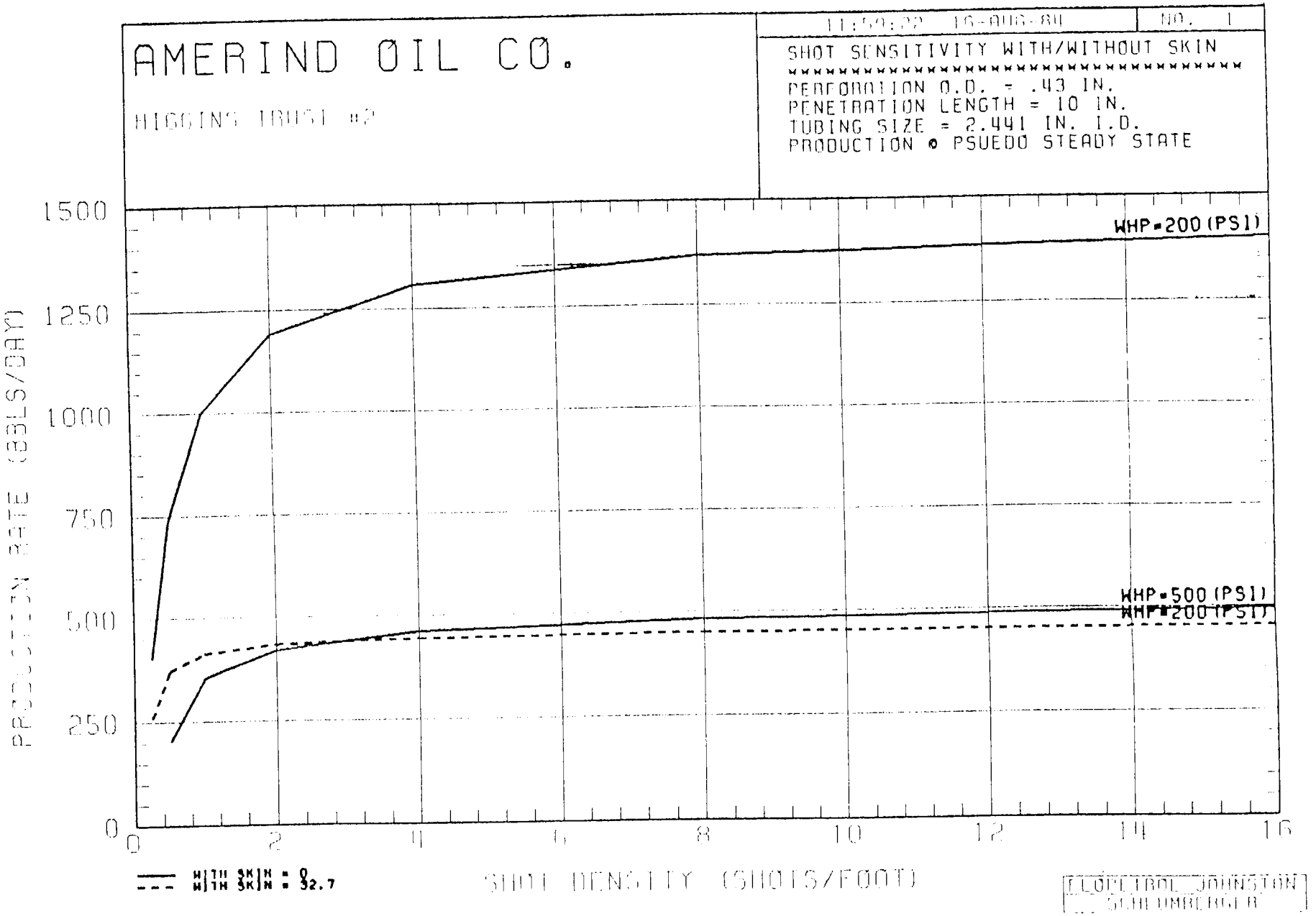
- WITH SKIN	-	WHP = 200 ; 440 BBLS/DAY
- WITHOUT SKIN	-	WHP = 200 ; 1190 BBLS/DAY
		WHP = 500 ; 425 BBLS/DAY

RESERVOIR PRESSURE	=	2697 PSIA
PERMEABILITY-THICKNESS	=	1480 MD-FT
PERMEABILITY	=	17.8 MD
DAMAGE RATIO	=	7.6
SKIN NUMBER	=	32.7
RADIUS OF INVESTIGATION	=	56 FT.
VISCOSITY	=	.456 CP
TOTAL COMPRESSIBILITY	=	1.57×10^{-4} PSI^{-1}
FORMATION VOLUME FACTOR	=	1.31 BBL/STB
POROSITY	=	6.9 %
GOR	=	997 SCF/BBL
OIL GRAVITY	=	43.6 API @ 60

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

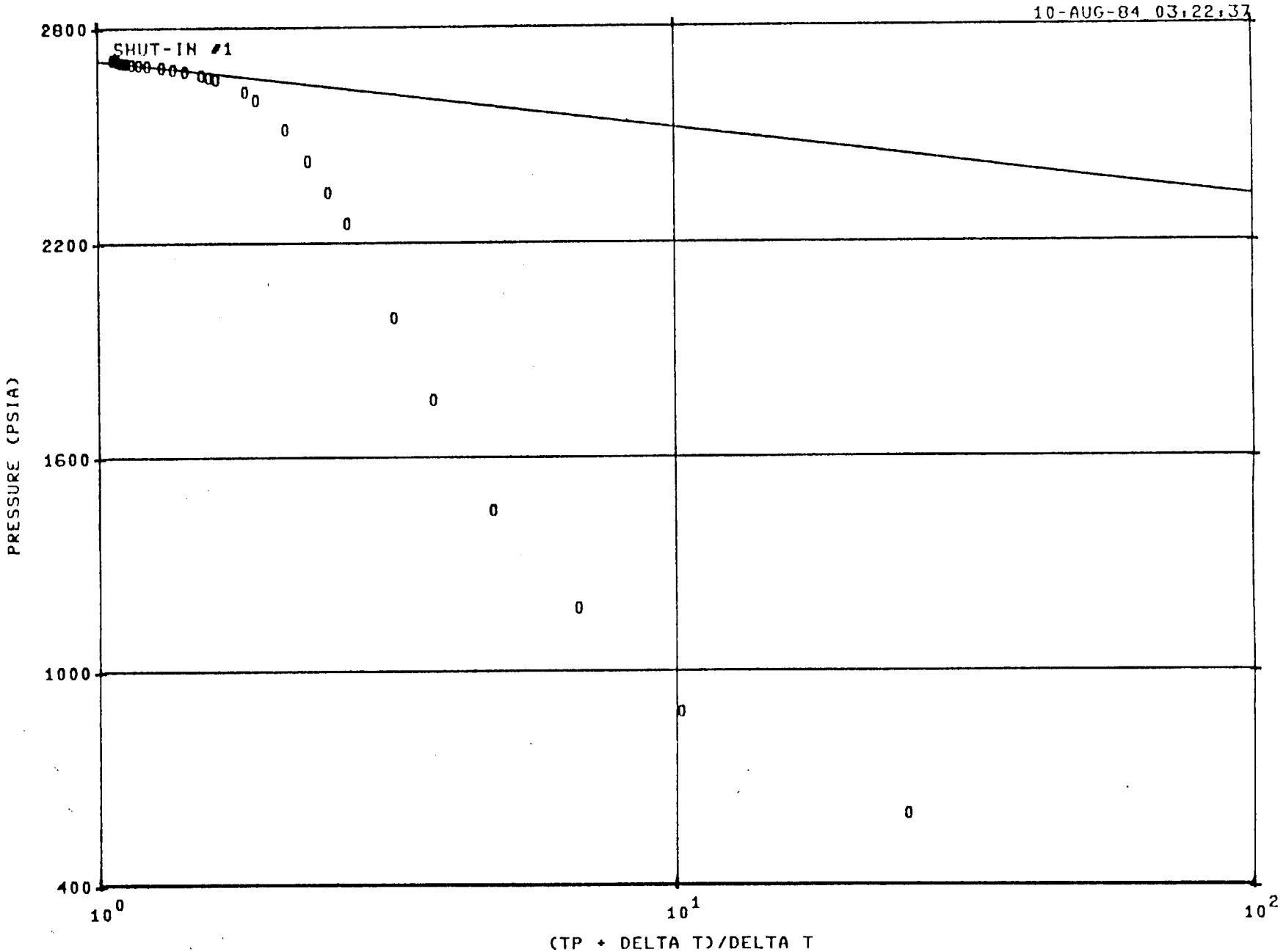
MIKE BEHOUNEK
MIDLAND RESERVOIR
EVALUATION DEPARTMENT

AMERIND OIL COMPANY
10351' TO 10552; TEST #2
LEA COUNTY, NEW MEXICO


AMERIND OIL CO.
HIGGINS TRUST #2
11:59:22 16-AUG-84
NO. 1
SHOT SENSITIVITY WITH/WITHOUT SKIN
PERFORATION O.D. = .43 IN.
PENETRATION LENGTH = 10 IN.
TUBING SIZE = 2.441 IN. I.D.
PRODUCTION @ PSUEDO STEADY STATE
WHP=200 (PSI)
WHP=500 (PSI)
WHP=200 (PSI)
PRODUCTION RATE (BBLS/DAY)
1500
1250
1000
750
500
250
0
0
2
4
6
8
10
12
14
16
SHOT DENSITY (SHOTS/FOOT)
WITH SKIN = 0
WITH SKIN = 32.7
FLOPETROL JOHNSTON
SCHLUMBERGER

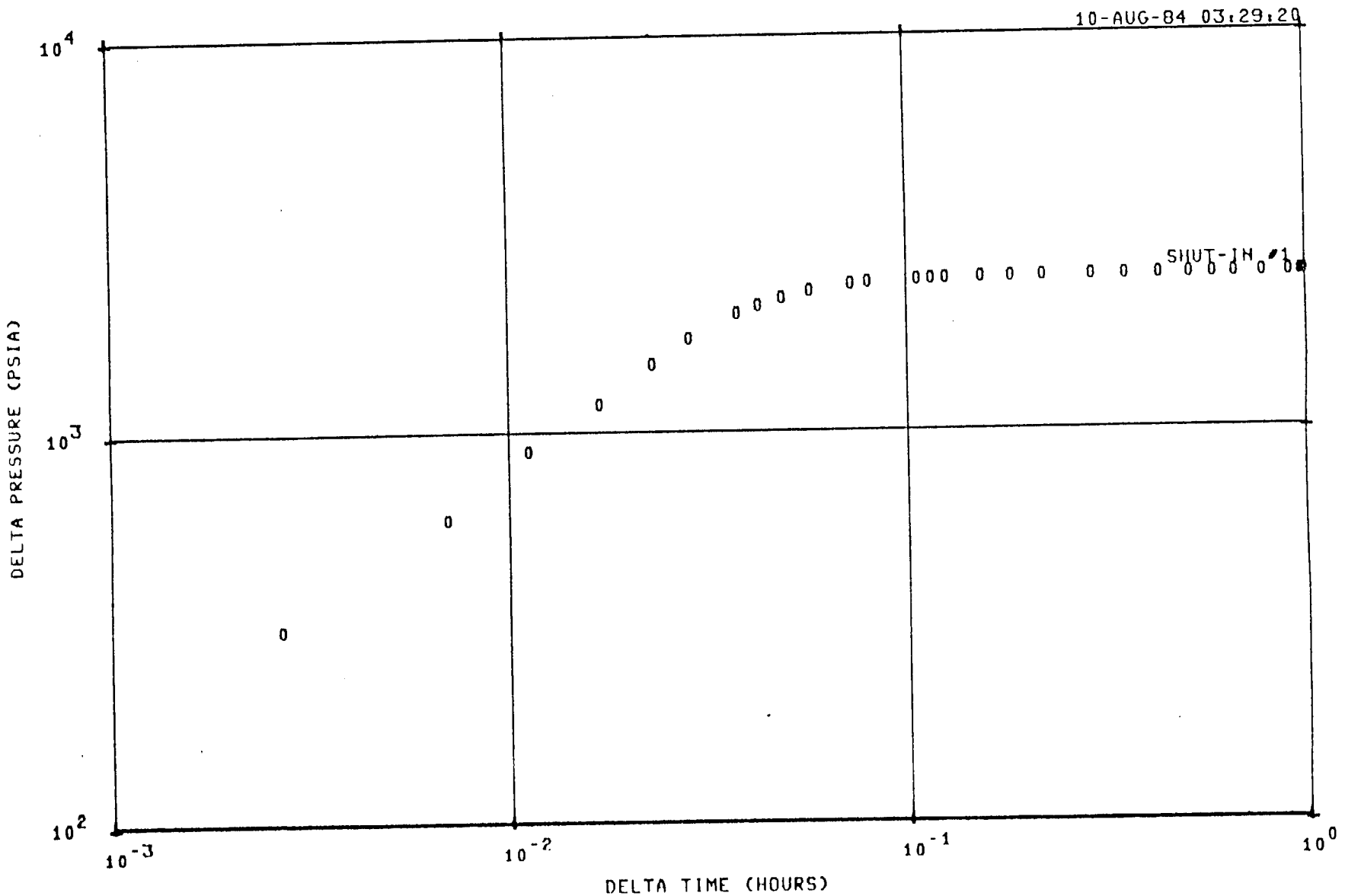
M=192.58

P*=2708 PSIA



HORNER PLOT: Production Time = 6.4500E-02

FLOPETROL JOHNS
SCHLUMBERGER

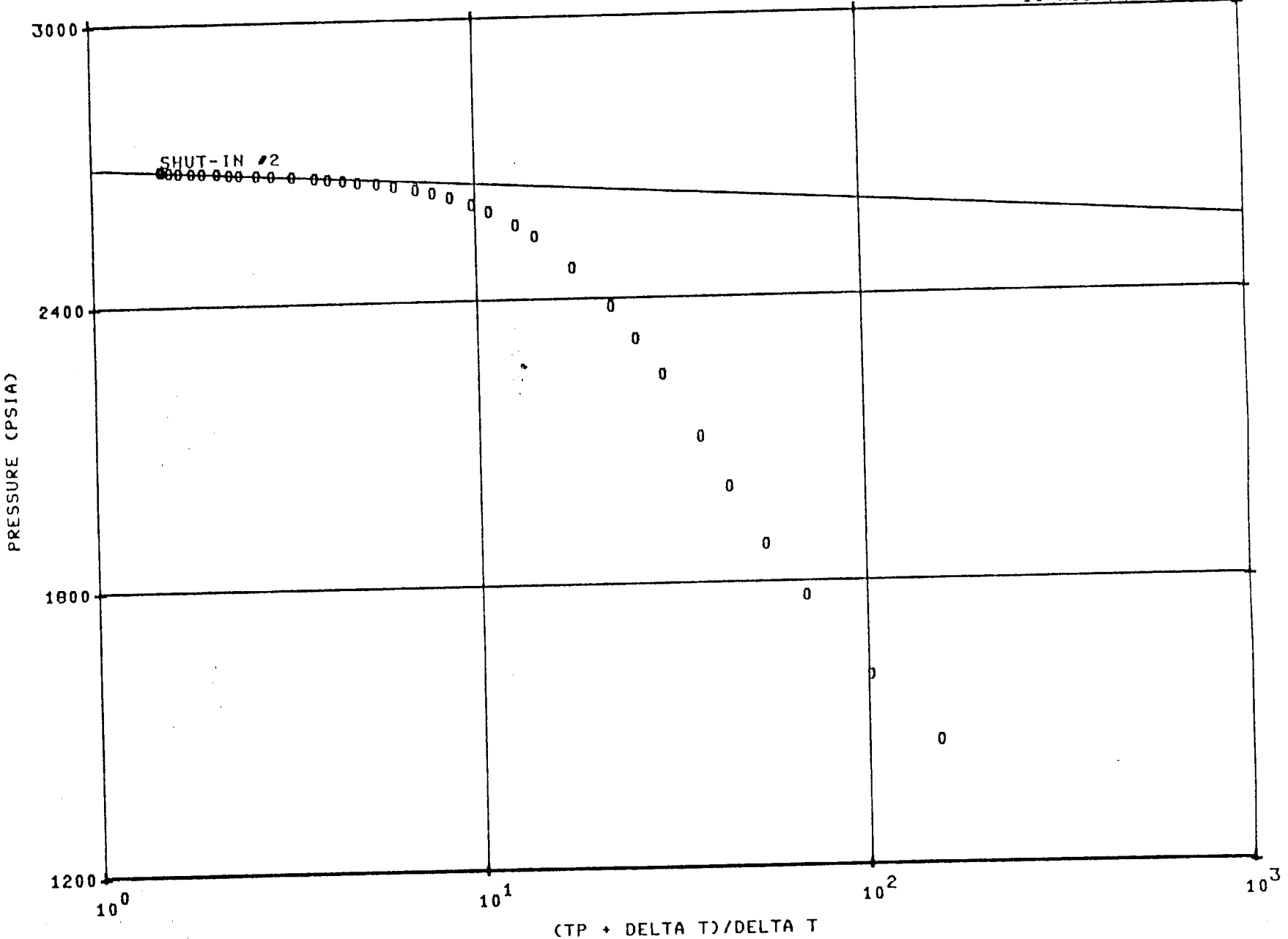


FLOPETROL JOHN
SCHLUMBERGER

M=47.56

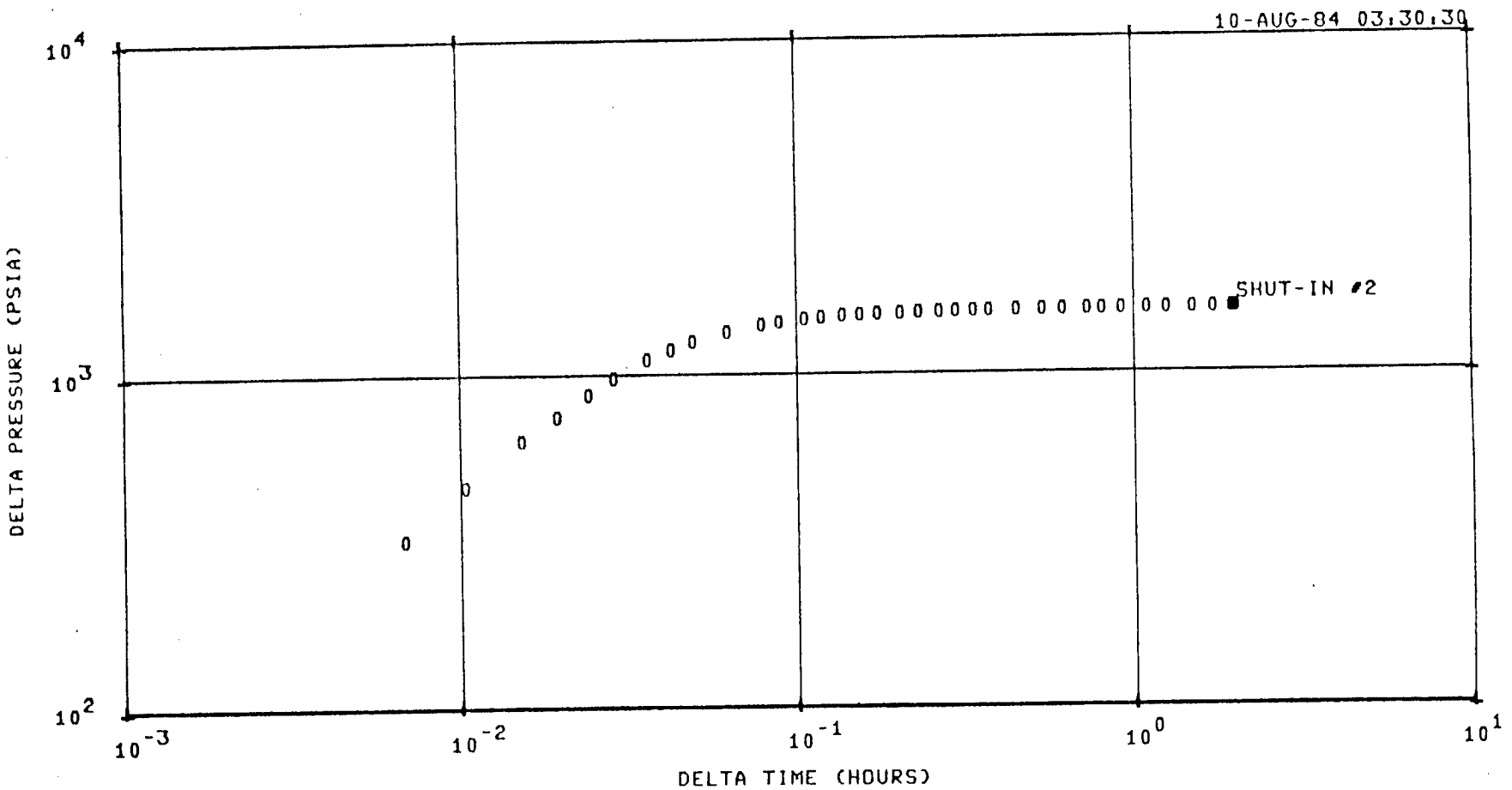
P*=2697 PSIA

10-AUG-84 03:25:03



HORNER PLOT: Production Time = 1.042

FLOPETROL JOHN
SCHLUMBERGER



FLOPETROL JOH
SCHLUMBER

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* TEST TICKET DATA PRINTOUT *
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WELL IDENTIFICATION

1.	WELL	: HIGGINS TRUST #2
2.	COMPANY	: AMERIND OIL COMPANY
3.		: 500 WILCO BUILDING
4.		: MIDLAND, TEXAS 79701
5.	CUSTOMER	: SAME
6.		:
7.		:
8.	FIELD	: N.A.
9.	COUNTY	: LEA
10.	STATE/PROV.	: NEW MEXICO
11.	LOCATION	: SEC.21/TWN.16S/RGE.37E
12.	TECHNICIAN	: MILLONIG (HOBBS)
13.	TEST APPROVED BY	: MR. JIM CLOWE
14.	TEST DATE	: 8-9-84
15.	DEPTH REFERENCE	: KELLY BUSHING
16.	DEPTH REFERENCE ELEVATION	: S.L. 3814. FT & 3800. (GROUND LEVEL)

HOLE INFORMATION

1. THE HOLE IS STRAIGHT.

2.	TOTAL DEPTH	: 11552. FT
3.	OPEN HOLE DIAMETER	: 7.88 IN

MUD INFORMATION

1.	MUD TYPE	: DRISPAC
2.	MUD WEIGHT	: 9.0 LB/GAL
3.	MUD VISCOSITY	: 44. MARSH FUNNEL SEC
4.	CORRECTED WATER LOSS	: 6.6 CC/30 MIN
5.	MUD RESISTIVITY	: 1.20 OHM-M
6.	MUD RES. MEAS. TEMP.	: 70.0 DEG F
7.	MUD FILTRATE RESISTIVITY	: OHM-M
8.	MUD FILT. RES. MEAS. TEMP.	: DEG F
9.	MUD CHLORIDES CONTENT	: 1500.0 PPM BY WEIGHT

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* TEST TICKET DATA PRINTOUT *
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TEST INFORMATION

1.	FIELD REPORT NUMBER	: 53988E
2.	TEST TYPE	: MFE OPEN HOLE
3.	TEST NUMBER	: 2
4.	TELEFLOW IN USE ?	: NO
5.	SSDR OR J-300 IN USE ?	: NO
6.	SPRO IN USE ?	: NO
7.	PTSDL IN USE ?	: NO

TEST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE I.D. (IN)	EFFECTIVE O.D. (IN)	FLOW PATH LENGTH (FT)
1	DRILL PIPE	3.83	4.50	10894.
2	DRILL COLLARS	2.25	6.25	421.
3	TOOL STRING	0.94	5.00	237.

TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM
2. PACKER DEPTHS : 11345. FT & 11351. FT

TEST ZONE DESCRIPTION

	FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE THICKNESS (FT)	POROSITY (%)
1	LOWER STRAWN			83	6.9

TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.94 IN

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* TEST TICKET DATA PRINTOUT *
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TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE	:	820. PSIG
OIL GRAVITY	:	43.6 DEG. API @ 60.0 DEG F
GAS/OIL RATIO	:	854. FT3/BBL
GAS/LIQUID RATIO	:	830. FT3/BBL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY	CHLORIDES
GAS	3.76 FT3		
OIL	700.0 CC		
WATER	20.0 CC	0.20 OHM-M @ 70.0 DEG F	28000. PPM
MUD	CC	OHM-M @ DEG F	
TOTAL LIQUID	720.0 CC		

RECOVERY INFORMATION

	DESCRIPTION	FEET	% OIL	% H2O	% OTH	API DEG.	API DEG.F	RESISTIVITY OHM-M	RESISTIVITY DEG.F	CHL PPM
1	DRLG MUD/GAS & OIL CUT	250			100			1.00	70	2400.
2	OIL/HEAVY GAS CUT WITH TRACE OF WATER	1740	95	5		43	60	0.20	70	25000.
3	FORMATION WATER	70		100				0.20	70	28000.

SURFACE INFORMATION

	DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
1	SET PACKER (8-9-84)	0940	-	-
2	OPENED TOOL	0942	-	BUBBLE
3	BLOW OFF BOTTOM OF BUCKET	0943	-	HOSE
4		0944	1.0 #	"
5	CLOSED FOR INITIAL SHUT-IN	0945	3.50 #	"
6	FINISHED SHUT-IN	1045	-	-
7	RE-OPENED TOOL	1046	-	"
8		1051	4.0 #	"
9		1050	12.0 #	"
10		1101	16.50 #	1/4"
11		1105	17.0 #	"
12		1111	18.0 #	"
13	GAS TO SURFACE	1113	18.0	"

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*****************************
* TEST TICKET DATA PRINTOUT *
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	DESCRIPTION	TIME	PRESSURE	CHOKE SIZE
		1116	18.25 #	"
14		1121	19.0 #	"
15		1131	19.25 #	"
16		1136	19.50 #	"
17		1141	19.75 #	"
18	GAS RATE 29.4 MCF/DAY	1146	20.0 #	"
19	CLOSED FOR FINAL SHUT-IN	1346	-	-
20	CYCLE TOOL	1347	-	-
21	OPEN TOOL	1348	-	-
22	CLOSED FOR SHUT-IN	1349	-	-
23	FINISHED SHUT-IN	1351	-	-
24	PULLED PACKER LOOSE	1740	250.0 #	1"
25	STARTED REVERSING OUT	1830	-	-
26	FINISHED REVERSING OUT			

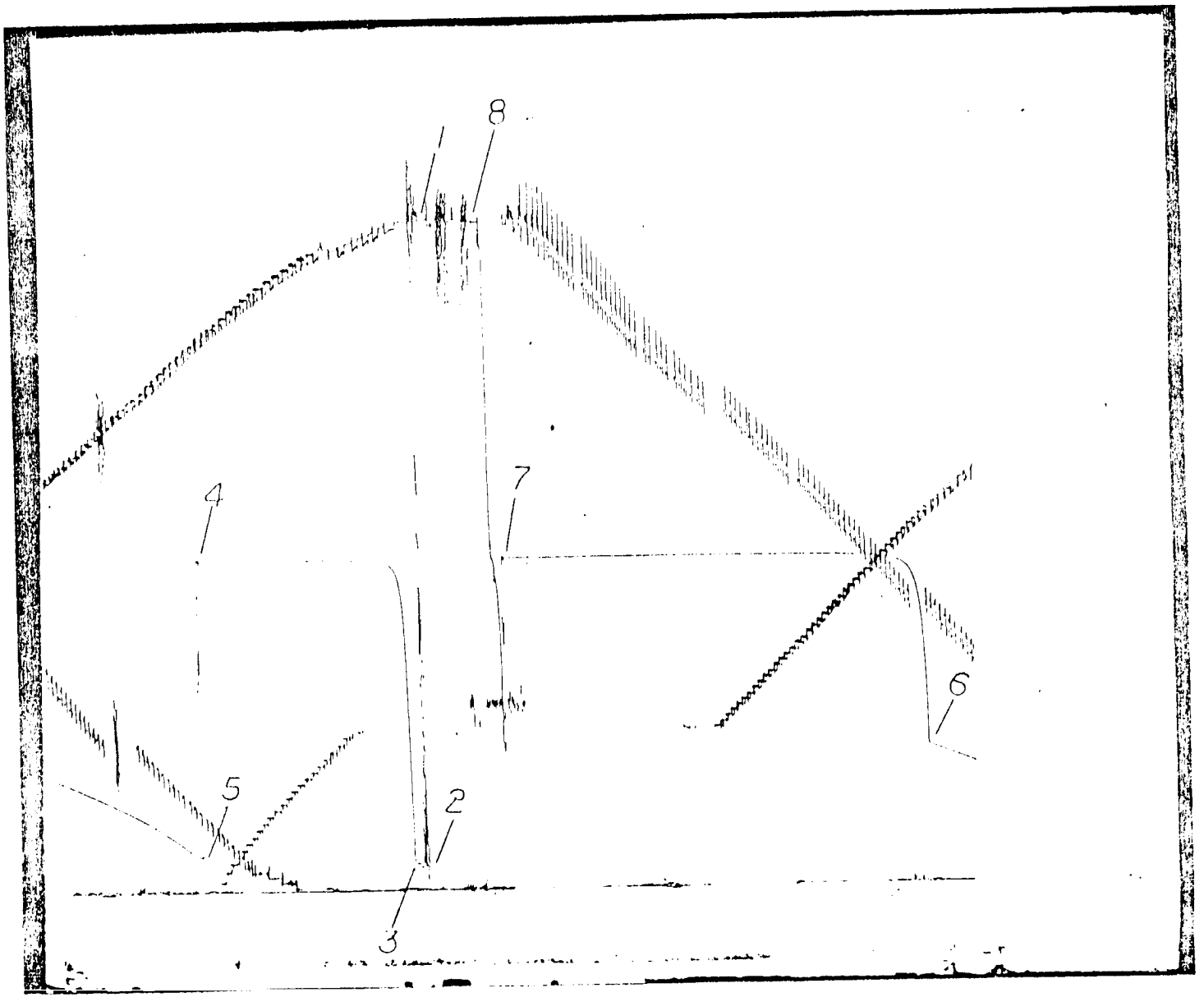
JOHNSTON MACCO
Schlumberger

FIELD REPORT NO.: 53988E

CAPACITY: 6400#

INSTRUMENT NO.: J-1321

NUMBER OF REPORTS: 29

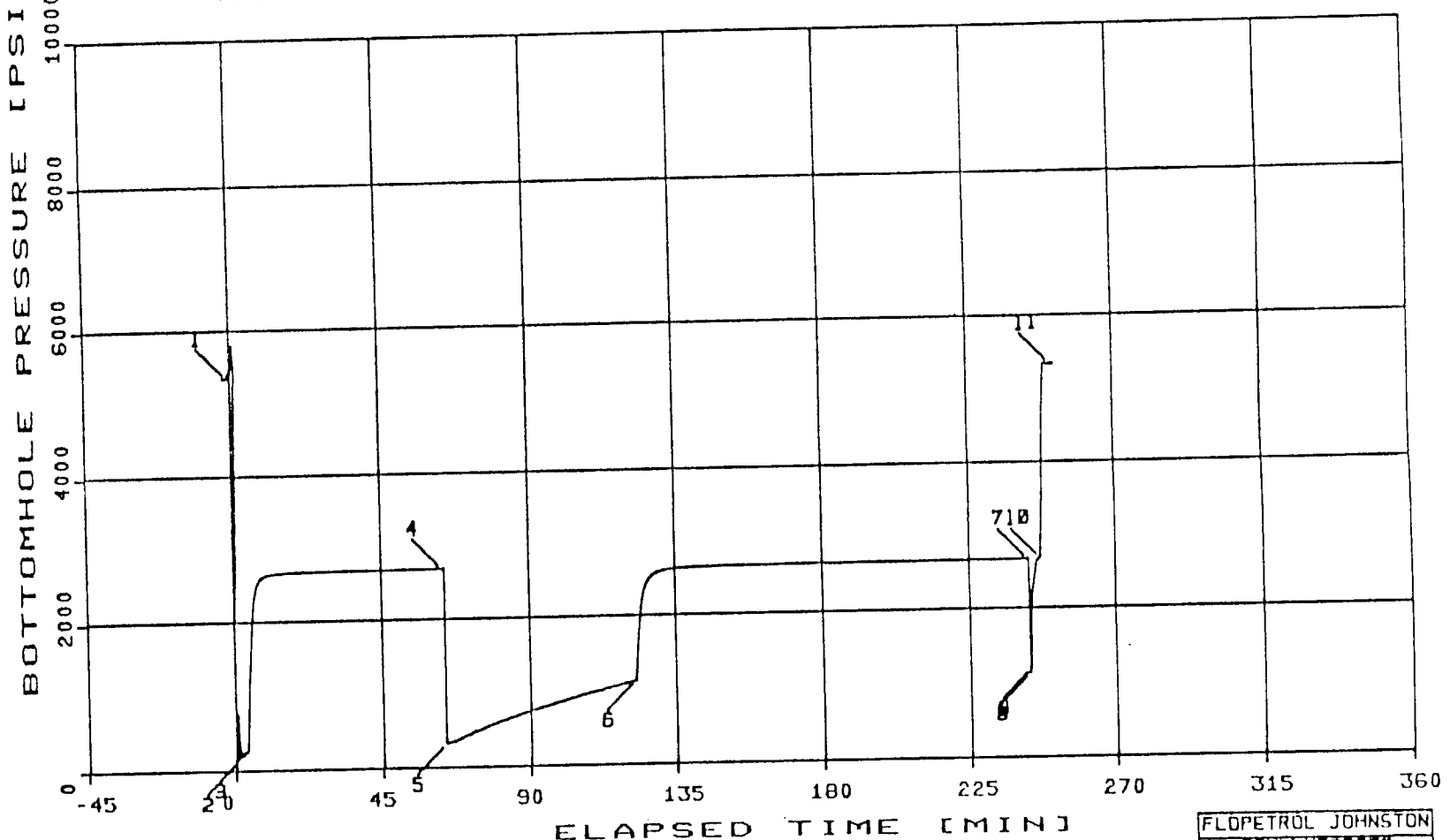


JS—167-A

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 53988E
INSTRUMENT NO. J-1321
DEPTH : 11322 FT
CAPACITY : 6400 PSI
PORT OPENING : INSIDE

COMPANY : AMERIND OIL CO.
WELL : HIGGINS TRUST #2



FLOPETROL JOHNSTON
SCHLUMBERGER

WELL TEST DATA PRINTOUT

FIELD REPORT # : 53988E

COMPANY : AMERIND OIL CO.
WELL : HIGGINS TRUST #2

INSTRUMENT # : J-1321
CAPACITY [PSI] : 6400.
DEPTH [FT] : 11322.0
PORT OPENING : INSIDE
TEMPERATURE [DEG F] : 178.0

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME,MIN	BOT HOLE PRESSURE PSIA
1	9:41: 0	9-AU	HYDROSTATIC MUD	-1.00	5364
2	9:42: 0	9-AU	START FLOW	0.00	94
3	9:45:52	9-AU	END FLOW & START SHUT-IN	3.87	281
4	10:45:37	9-AU	END SHUT-IN	63.61	2708
5	10:46: 6	9-AU	START FLOW	64.10	319
6	11:44:45	9-AU	END FLOW & START SHUT-IN	122.75	1139
7	13:45: 3	9-AU	END SHUT-IN	243.05	2689
8	13:45:28	9-AU	START FLOW	243.47	1130
9	13:45:50	9-AU	END FLOW & START SHUT-IN	243.84	1200
10	13:49: 0	9-AU	END SHUT-IN	247.00	2694
11	13:52:48	9-AU	HYDROSTATIC MUD	250.80	5350

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	3.87	3.87	94	281
2	64.10	122.75	58.65	319	1139
3	243.47	243.84	0.37	1130	1200

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	3.87	63.61	59.74	281	2708	281	3.87
2	122.75	243.05	120.30	1139	2689	1139	62.52
3	243.84	247.00	3.16	1200	2694	1200	62.89

FIELD REPORT # : 53988L

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA
9:42: 0	9-AU	0.00	0.00	94
9:45:52	9-AU	3.87	3.87	281

TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 281
PRODUCING TIME [MIN] = 3.87

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
9:45:52	9-AU	3.87	0.00	281	0	
9:46:52	9-AU	4.87	1.00	1440	1159	0.688
9:47:52	9-AU	5.87	2.00	2131	1850	0.468
9:48:52	9-AU	6.87	3.00	2438	2157	0.360
9:49:52	9-AU	7.87	4.00	2562	2282	0.294
9:50:52	9-AU	8.87	5.00	2621	2341	0.249
9:51:52	9-AU	9.87	6.00	2644	2363	0.216
9:52:52	9-AU	10.87	7.00	2659	2379	0.191
9:53:52	9-AU	11.87	8.00	2667	2386	0.171
9:54:52	9-AU	12.87	9.00	2674	2393	0.155
9:55:52	9-AU	13.87	10.00	2678	2397	0.142
9:57:52	9-AU	15.87	12.00	2683	2403	0.121
9:59:52	9-AU	17.87	14.00	2688	2407	0.106
10: 1:52	9-AU	19.87	16.00	2690	2409	0.094
10: 3:52	9-AU	21.87	18.00	2692	2411	0.085
10: 5:52	9-AU	23.87	20.00	2693	2413	0.077
10: 7:52	9-AU	25.87	22.00	2694	2414	0.070
10: 9:52	9-AU	27.87	24.00	2695	2414	0.065
10:11:52	9-AU	29.87	26.00	2696	2415	0.060
10:13:52	9-AU	31.87	28.00	2697	2416	0.056
10:15:52	9-AU	33.87	30.00	2698	2417	0.053
10:20:52	9-AU	38.87	35.00	2699	2419	0.046
10:25:52	9-AU	43.87	40.00	2700	2420	0.040
10:30:52	9-AU	48.87	45.00	2703	2422	0.036
10:35:52	9-AU	53.87	50.00	2705	2424	0.032
10:40:52	9-AU	58.87	55.00	2707	2427	0.030
10:45:37	9-AU	63.61	59.74	2708	2428	0.027

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA
10:46: 6	9-AU	64.10	0.00	319
10:51: 6	9-AU	69.10	5.00	408
10:56: 6	9-AU	74.10	10.00	509
11: 1: 6	9-AU	79.10	15.00	598
11: 6: 6	9-AU	84.10	20.00	673
11:11: 6	9-AU	89.10	25.00	745
11:16: 6	9-AU	94.10	30.00	811
11:21: 6	9-AU	99.10	35.00	874
11:26: 6	9-AU	104.10	40.00	935
11:31: 6	9-AU	109.10	45.00	995
11:36: 6	9-AU	114.10	50.00	1047
11:41: 6	9-AU	119.10	55.00	1101
11:44:45	9-AU	122.75	58.65	1139

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 1139
PRODUCING TIME [MIN] = 62.52

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
11:44:45	9-AU	122.75	0.00	1139	0	
11:45:45	9-AU	123.75	1.00	1807	668	1.803
11:46:45	9-AU	124.75	2.00	2191	1052	1.509
11:47:45	9-AU	125.75	3.00	2387	1248	1.339
11:48:45	9-AU	126.75	4.00	2484	1345	1.221
11:49:45	9-AU	127.75	5.00	2546	1407	1.130
11:50:45	9-AU	128.75	6.00	2579	1440	1.058
11:51:45	9-AU	129.75	7.00	2602	1463	0.997
11:52:45	9-AU	130.75	8.00	2618	1478	0.945
11:53:45	9-AU	131.75	9.00	2628	1489	0.900
11:54:45	9-AU	132.75	10.00	2636	1497	0.860
11:56:45	9-AU	134.75	12.00	2646	1507	0.793
11:58:45	9-AU	136.75	14.00	2654	1515	0.738
12: 0:45	9-AU	138.75	16.00	2657	1518	0.691
12: 2:45	9-AU	140.75	18.00	2662	1523	0.651
12: 4:45	9-AU	142.75	20.00	2665	1525	0.616
12: 6:45	9-AU	144.75	22.00	2668	1529	0.585
12: 8:45	9-AU	146.75	24.00	2670	1530	0.557
12:10:45	9-AU	148.75	26.00	2671	1532	0.532
12:12:45	9-AU	150.75	28.00	2673	1534	0.510
12:14:45	9-AU	152.75	30.00	2674	1535	0.489
12:19:45	9-AU	157.75	35.00	2676	1537	0.445
12:24:45	9-AU	162.75	40.00	2678	1538	0.409
12:29:45	9-AU	167.75	45.00	2679	1540	0.378
12:34:45	9-AU	172.75	50.00	2680	1541	0.352

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 1139
PRODUCING TIME [MIN] = 62.52

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
12:39:45	9-AU	177.75	55.00	2682	1543	0.330
12:44:45	9-AU	182.75	60.00	2683	1544	0.310
12:49:45	9-AU	187.75	65.00	2683	1544	0.293
12:54:45	9-AU	192.75	70.00	2684	1545	0.277
12:59:45	9-AU	197.75	75.00	2684	1545	0.263
13: 4:45	9-AU	202.75	80.00	2685	1545	0.251
13: 9:45	9-AU	207.75	85.00	2685	1546	0.239
13:14:45	9-AU	212.75	90.00	2685	1546	0.229
13:19:45	9-AU	217.75	95.00	2686	1547	0.220
13:24:45	9-AU	222.75	100.00	2686	1547	0.211
13:29:45	9-AU	227.75	105.00	2687	1548	0.203
13:34:45	9-AU	232.75	110.00	2688	1548	0.195
13:39:45	9-AU	237.75	115.00	2688	1549	0.189
13:44:45	9-AU	242.75	120.00	2689	1549	0.182
13:45: 3	9-AU	243.05	120.30	2689	1549	0.182

TEST PHASE : FLOW PERIOD # 3

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA
13:45:28	9-AU	243.47	0.00	1130
13:45:50	9-AU	243.84	0.37	1200

TEST PHASE : SHUTIN PERIOD # 3
FINAL FLOW PRESSURE [PSIA] = 1200
PRODUCING TIME [MIN] = 62.89

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
13:45:50	9-AU	243.84	0.00	1200	0	
13:46:50	9-AU	244.84	1.00	2330	1130	1.805
13:47:50	9-AU	245.84	2.00	2640	1440	1.511
13:48:50	9-AU	246.84	3.00	2692	1492	1.342
13:49: 0	9-AU	247.00	3.16	2694	1494	1.320