

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM-898821a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other _____

2. Name of Operator

Mewbourne Oil Company 14744

3. Address

PO Box 5270 Hobbs, NM 88240

3a. Phone No. (include area code)

505-393-5905

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 990' FNL & 1190' FWL, Unit Letter D

At top prod. interval reported below 990' FNL & 1190' FWL, Unit Letter D

At total depth 990' FNL & 1190' FWL, Unit Letter D

14. Date Spudded

08/23/03

15. Date T.D. Reached

10/05/03

16. Date Completed

☐ D&A☒ Ready to Prod.

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

32672

8. Lease Name and Well No.

Tamane 15 Federal Com #1

9. API Well No.

30-015-32919

SI

10. Field and Pool, or Exploratory

Wildcat Morrow

11. Sec., T., R., M., on Block and Survey
or Area Sec 15-T18S-R31E

12. County or Parish

Eddy County

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3760'

18. Total Depth: MD 12150'
TVD19. Plug Back T.D.: MD 12091'
TVD20. Depth Bridge Plug Set: MD NA
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

DLL w/Micro, DN w/GR & CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☐ No ☒ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8 H40	48	0	746		600 C	187	Surface	NA
12 1/4	9 5/8 HCK	40	0	4504		1650 Poz/C	576	Surface	NA
8 3/4	5 1/2 P110	17	0	12150	9380	1st-750-H	189	9380	NA
						2nd 975-H	316	3520	NA

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	11621	11602						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	11781	11795	14'	0.24"	28	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

ACCEPTED FOR RECORD

DEC 18 2003

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/06/03	12/15/03	24	→	68	1662	0	50	0.774	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
12/64	1575	0	→	68	1662	0	24441	Producing	

RECEIVED

DEC 23 2003

OCD-ARTESIA

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on next page)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Rustler	654				
Yates	2090				
Queen	3273				
Penrose	3533				
San Andres	4080				
Delaware	4662				
Bone Spring	5906				
Wolfcamp	9449				
Strawn	10818				
Atoka Shale	11159				
Morrow Clastics	11656				
Barnett	11947				
Chester	12006				
TD	12150				

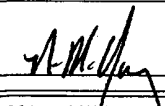
32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ① Electrical/Mechanical Logs (1 full set req'd.) 2 Geologic Report ③ DST Report 4 Directional Survey
 5 Sundry Notice for plugging and cement verification 6 Core Analysis ⑦ Other: Deviation Report and C105

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) NM Young Title Hobbs District Manger

Signature  Date 10/22/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR: MEWBOURNE OIL CO.
WELL/LEASE: TAMANO 15 FED. COM. 1
COUNTY: EDDY

045-0012

STATE OF NEW MEXICO
DEVIATION REPORT

257	1	8,256	3/4
500	1 1/4	8,510	3/4
1,002	3/4	8,763	1 1/4
1,256	1/4	9,049	1/4
1,509	1/4	9,300	1/2
1,761	1	9,868	1 1/4
2,047	3/4	10,121	1/4
2,300	1	10,374	1/4
2,554	3/4	10,626	3/4
2,776	1/4	10,904	3/4
3,283	1/4	11,026	1 3/4
3,536	1 1/4	11,121	3/4
3,790	1	11,310	1 1/4
4,045	1 1/2	11,561	1 1/4
4,266	3/4	11,939	1 1/2
4,487	3/4	12,128	1
4,704	1 1/4		
4,931	1		
5,184	1 1/2		
5,438	1 1/4		
5,691	1 3/4		
5,944	1 1/2		
6,196	1		
6,449	1		
6,703	1		
6,956	1 1/2		
7,210	1 1/4		
7,463	3/4		
7,717	3/4		
7,971	1		

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DEC 23 2003
OCD-ARTESIA

By: Steve Moore

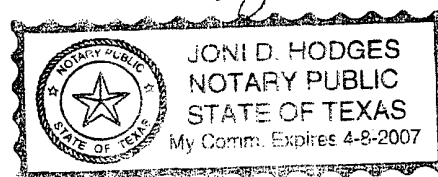
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 10th day of October, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007



Mewburne Oil Co.

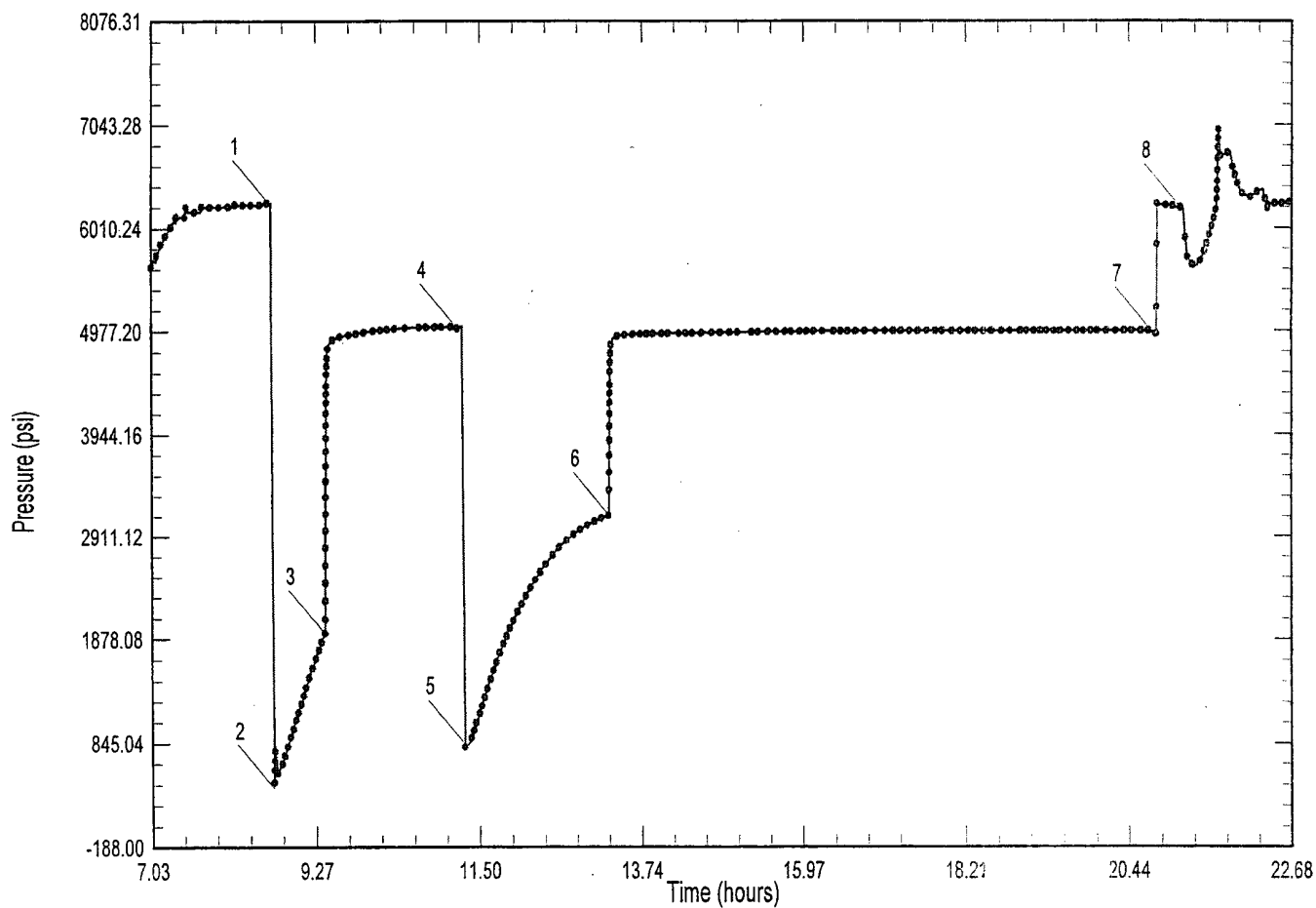
DST

Tomano 15 Fed - 1

Wildcat

Rig : Patterson 45

Eddy - New Mexico



Report Contents

Job Summary, Comments Page, Sequence of Events, Label Point Information, Plots, Summary Data Printout, Distribution

Schlumberger Testing Services

Tomano 15 Fed 1
WildcatService Order Number : 10625804
Test Date : 28-Sep-03

Company Rep Jim Lake		SWS Rep..... Jeremy Cates	
Test Information			
Test Number 1		Formation Morrow	
		Interval (MD ft) 180' 11710-11890	
Well Location			
Well..... Tomano 15 Fed 1		Rig..... Patterson 45	
Field..... Wildcat		State Eddy - New Mexico	
Wellbore Configuration			
Total Depth (MD/TVD ft) 11890		Cushion none	
Casing / Liner ID (in) 9.625		Wellbore Radius (ft) 8.75	
Top of Liner (md- ft) 4510		Mud Weight (lb/gal) 9.7	
		Mud Type Cut Brine/Starch	
		Mud: Chloride/Resistivity..... 150000/.040 75 deg	
Test String Configuration			
Pipe Length (ft) / ID (in) 10924		Gauge Depth (MD) 11726	
Pipe Length (ft) / ID (in)		Gauge Depth (TVD) 11726	
Drill Collar Length (ft) / ID (in) 747.07		Test Valve Type Multie Flow Evaluator	
Packer Depths (ft MD) 11704 / 11710		Test Valve Depth (ft) (MD) 11684	
Key Information			
Initial Hydrostatic Pressure 6265		Final Shut in Pressure 4974	
Init. Hyd Grad & Density 0.534 psi/ft / 10.27 lb/gal		Final Shut in Grad & Density 0.424 psi/ft / 8.16 lb/gal	
Final Hydrostatic Pressure 6210		Final Flowing Pressure 3127	
Final Hyd Grad & Density 0.530 psi/ft / 10.18 lb/gal		Final Flow Rate () 2.3 mcf/d	
Bottom Hole Temp..... 157		Productivity Index () N/A	
This is DST #1. The Morrow formation was evaluated from 11710 to 11890. There was gas to surface 13 minutes into the first flow period. The well flowed at a final rate of 2.3MCF/D. The pipe recovery was 32 barrels of foamy condensate and gas cut mud. Please direct any questions about this test to the Hobbs Testing District. Thank You for using Schlumberger. The reported chlorides of the pipe recovery (50k) were probably low do to the amount of condensate that was in tha fluid.			
Schlumberger Crew			
Jeremy Cates			

Tomano 15 Fed 1

10625804

Wildcat

28-Sep-03

Sample Chamber Capacity (cc) 2500

Measured Fluid Recovery

		<u>Temp (F)</u>	<u>Press (psia)</u>
Oil (cc)	200	75	3000 +
Water (cc)		75	3000 +
Mud (cc)			
Total Liquid Recovery (cc)	200		
Gas (ft3)	18.1	75	3000 +

Corrected Sample Chamber Gas Recovery

Bottomhole Temperature (F)	157	Assumed SC Gas Gravity	0.650
Final Flowing Pressure (psia)	3127	Est Z Value @ Pwf and Tres	0.866
Corrected Gas Recovery (scf)	16.809		

Sample Chamber Fluid Ratios

Sample Chamber Water Cut	0.0%
GOR Using Corrected Gas Recovery	13363
GLR Using Corrected Gas Recovery	

Pipe Recovery

<u>Description</u>	<u>Recovery feet</u>	<u>Pipe ID (in)</u>	<u>Recovery bbl</u>	<u>Oil Density API</u>	<u>RES ohm</u>	<u>CHL ppm</u>
Heavy Gas Cut Condensate	2743			50	0.08	50k
mud						

Tomano 15 Fed 1

10625804

Wildcat

28-Sep-03

Date (dd-mmm-yy)	Time (hh:mm:ss)	Comments
28-Sep-03	6:35	Pulled loose
	6:35	Drop Bar and Circulate
	18:15	Safety Meeting
	18:21	Set Packer
	18:27	Start Flow Open to 1/8" bubble hose 3"
	18:28	8"
	18:29	1.8 # Bottom of Bucket
	18:30	Open to 1/4" Choke 18 #
	18:31	30 #
	18:32	74 #
	18:33	130 #
	18:34	160 #
	18:35	200 #
	18:36	240 #
	18:37	280 #
	18:40	Gas To Surface 400 #
	18:42	460 #
	18:47	680 #
	18:52	810 #
	18:57	Flow head started to leak where a grease sert was broken off
	18:57	920 #
	18:57	while making up the head.
	19:09	Bleed off gas and fix flow head with nrw grease sert.
	19:09	End Flow Start Shut in 1200 #
	21:02	Start Flow on 1/4" Choke gauge had 40 # with a small flare
	21:02	then went to 50 # when tool opened
	21:03	60 #
	21:04	75 #
	21:05	100 #
	21:06	130 #
	21:07	200 #
	21:08	270 #
	21:09	320 #
	21:10	360 #
	21:11	400 #
	21:12	430 #
	21:17	600 #
	21:22	730 #
	21:32	960 #
	21:42	1150 #
	21:52	1310 #

Schlumberger

Sequence of Events
Mewburne Oil Co.
DST

Tomano 15 Fed 1

10625804

Wildcat

28-Sep-03

Date (dd-mmm-yy)	Time (hh:mm:ss)	Comments
---------------------	--------------------	----------

22:02	1450 #	
22:12	1550 #	
22:22	1640 #	
22:32	1700 #	
22:42	1755 #	
22:52	1800 #	
23:03	End Flow Start Shutin	1820 #

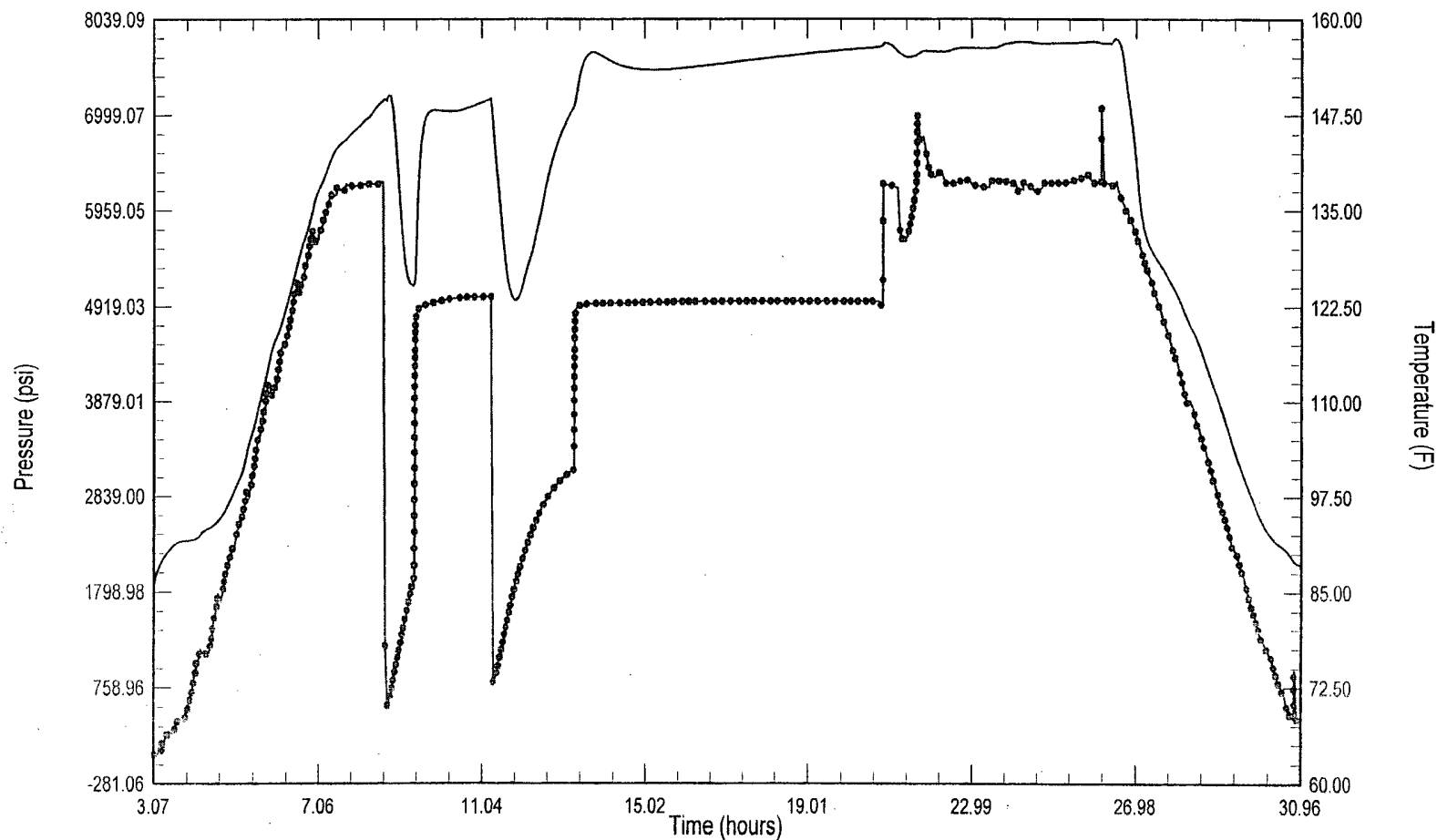
Tomano 15 Fed 1

10625804

Wildcat

28-Sep-03

Bottomhole Pressure and Temperature Log



Gauge Depth : 11726 ft TVD - 11726 ft MD

Gauge ID : SLSR-1184

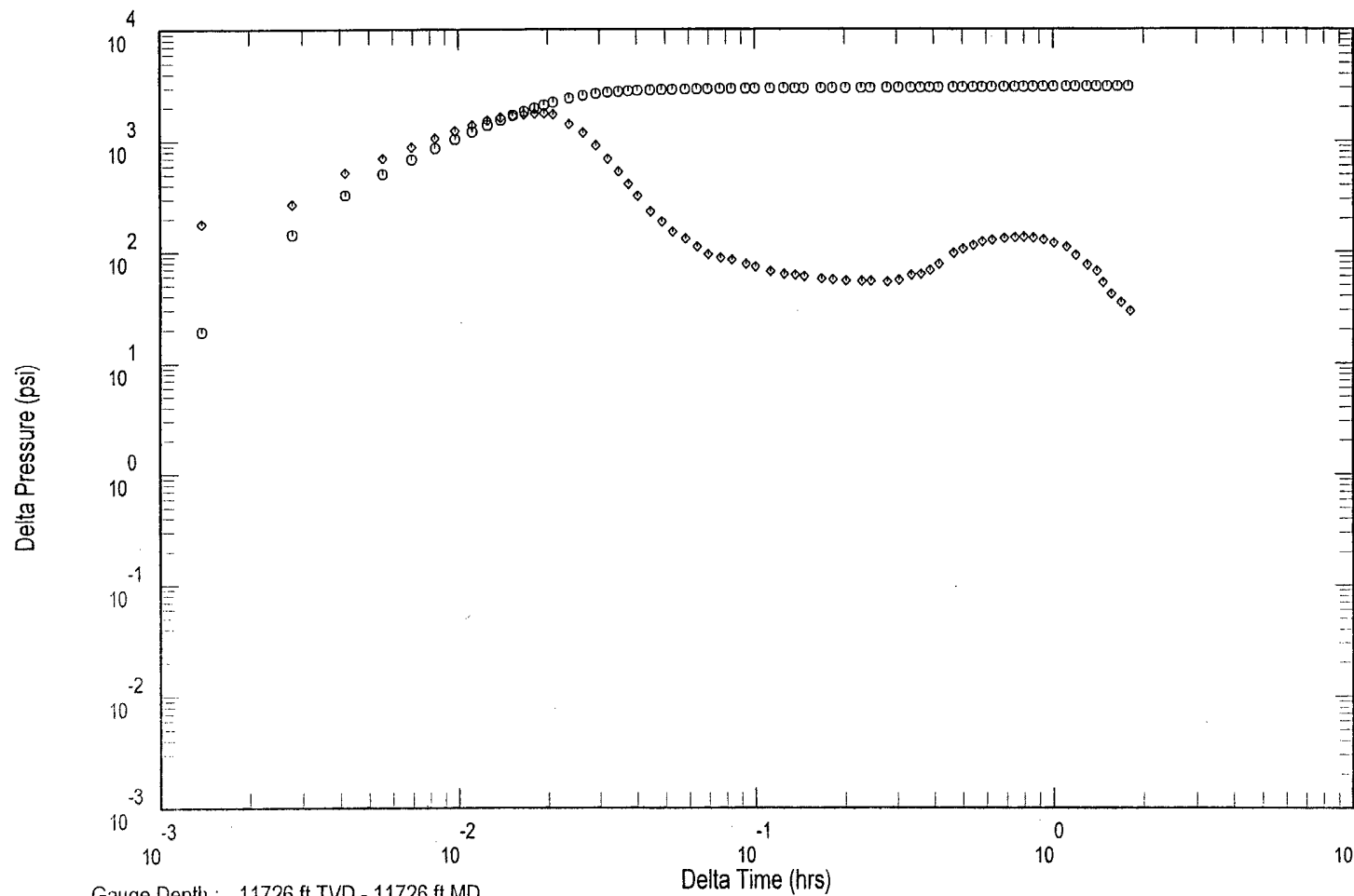
Tomano 15 Fed 1

10625804

Wildcat

28-Sep-03

Log-log Plot - Initial Shutin Period



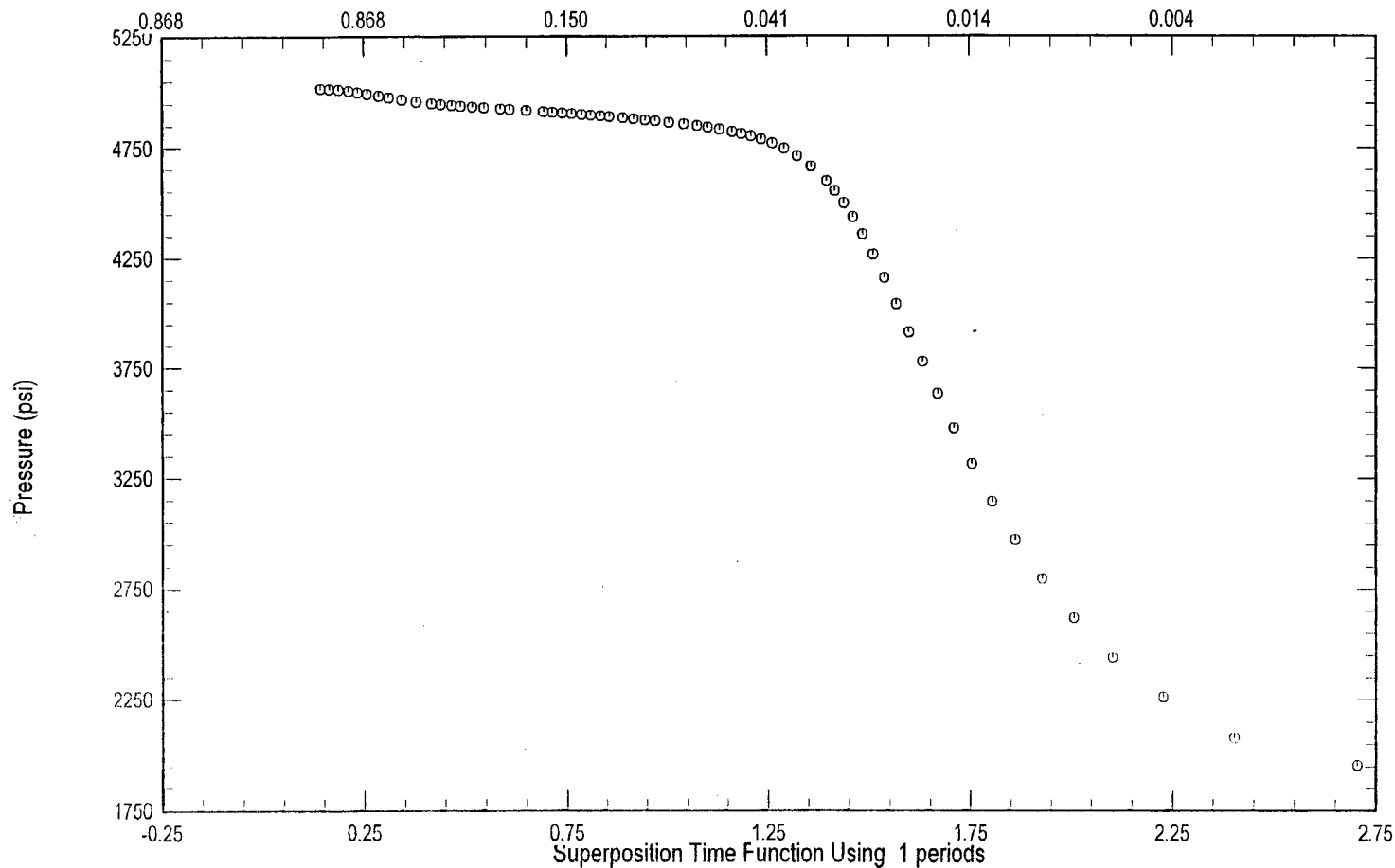
Gauge Depth : 11726 ft TVD - 11726 ft MD

Gauge ID : SLSR-1184

Tomano 15 Feb 1
Wildcat

10625804
28-Sep-03

Semi-log Plot - Initial Shutin Period

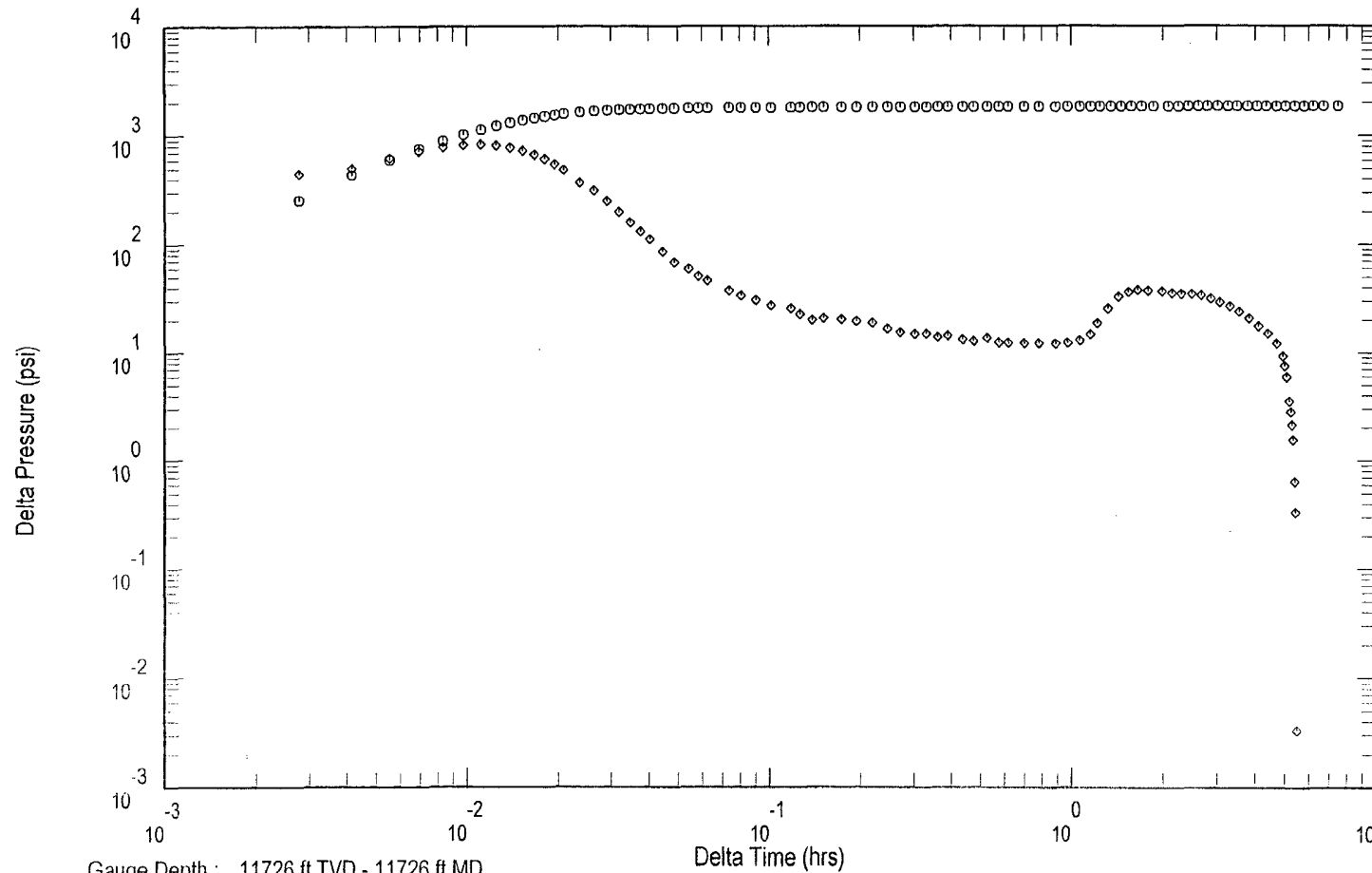


Gauge Depth : 11726 ft TVD - 11726 ft MD
Gauge ID : SLSR-1184

Tomano 15 Fed 1
Wildcat

10625804
28-Sep-03

Log-log Plot - Second Shutin Period

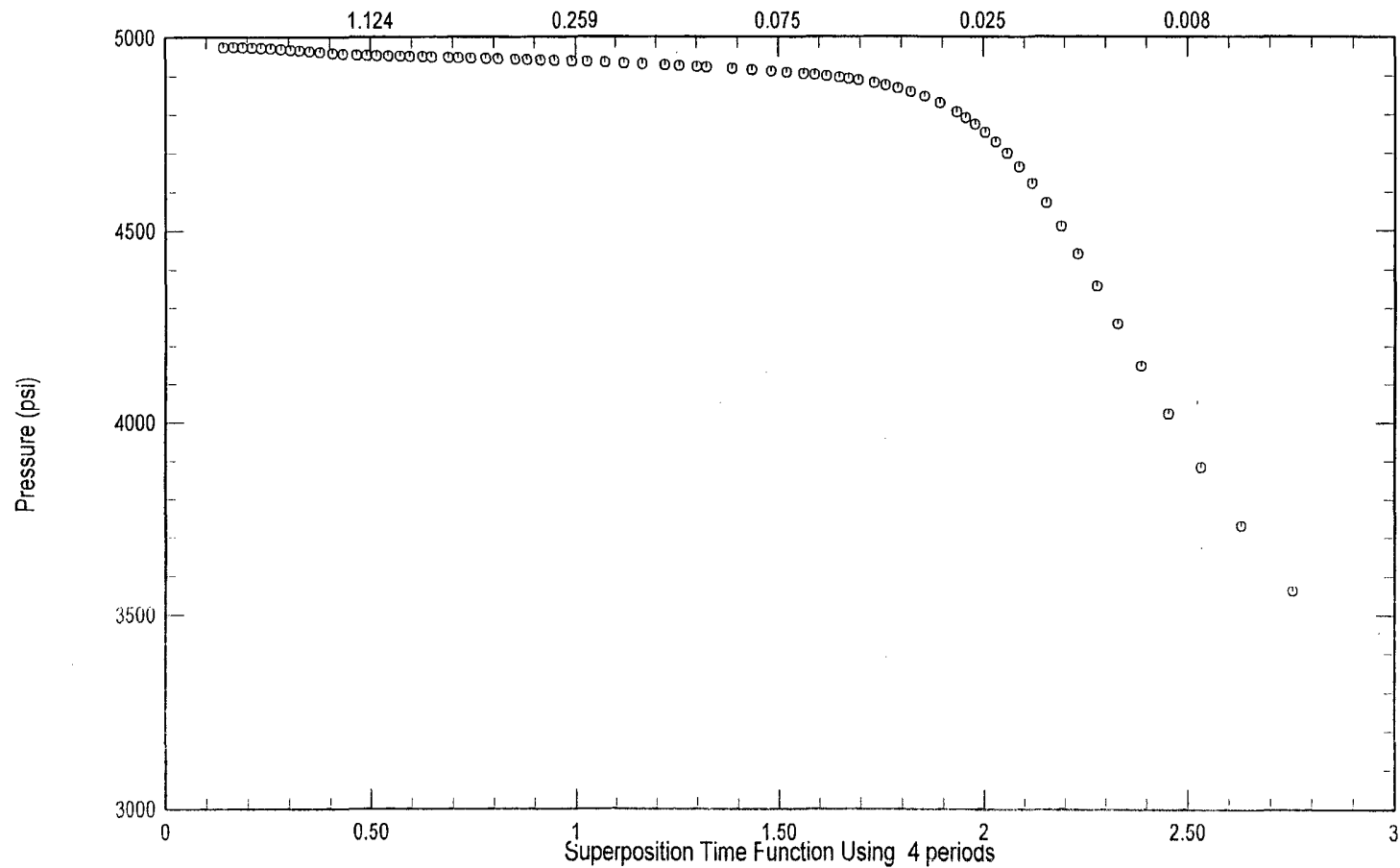


Gauge Depth : 11726 ft TVD - 11726 ft MD
Gauge ID : SLSR-1184

Tomano 15 Fed 1
Wildcat

10625804
28-Sep-03

Semi-log Plot - Second Shutin Period



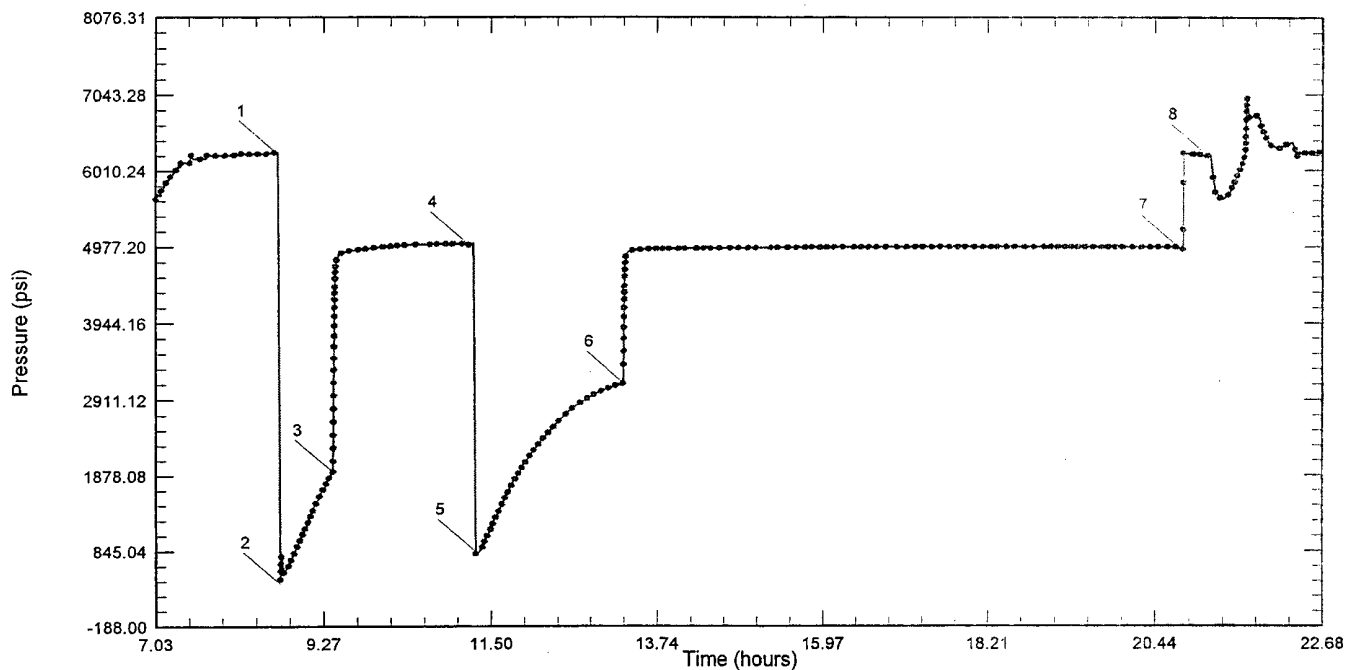
Gauge Depth : 11726 ft TVD - 11726 ft MD
Gauge ID : SLSR-1184

Schlumberger

Label Point Data Mewburne Oil Co. DST

Tomano 15 Fed 1
Wildcat

10625804
28-Sep-03



Label Point / Comments	Date (dd-mmm-yy)	Time (hh:mm:ss)	Gauge ET (hours)	BHP (psia)	Rate (0)
Label Point Summary					
1) Hydrostatic Pressure	28-Sep-03	18:24:51	8.638	6264.94	0
2) Start Flow	28-Sep-03	18:28:01	8.691	398.87	1
3) End Flow & Start Shut-in	28-Sep-03	19:09:51	9.388	1936.22	0
4) End Shut-in	28-Sep-03	20:57:51	11.188	5017.83	0
5) Start Flow	28-Sep-03	21:03:51	11.288	844.35	1
6) End Flow & Start Shut-in	28-Sep-03	23:03:41	13.285	3127.04	0
7) End Shut-in	29-Sep-03	6:31:21	20.746	4973.71	0
8) Hydrostatic Pressure	29-Sep-03	6:55:16	21.145	6209.94	0

Schlumberger

Gauge Data Mewburne Oil Co. DST

Tomano 15 Fed 1
Wildcat

Gauge Serial # SLSR-1184

10625804

September 28, 2003

Date (dd-mmm-yy)	Time (hh:mm:ss)	Elapsed Time (hrs)	BHP (psia)	BHT (Deg F)	Comments
Initial Flow					
28-Sep-03	18:28:01	8.69083	398.873	149.07	
28-Sep-03	18:36:26	8.83111	705.349	149.99	
28-Sep-03	18:45:06	8.97556	1038.205	141.55	
28-Sep-03	18:53:31	9.11583	1362.041	131.05	
28-Sep-03	19:02:01	9.25750	1675.755	125.92	
Initial Shut-in					
28-Sep-03	19:09:51	9.38806	1936.219	125.31	
28-Sep-03	19:09:56	9.38944	1955.385	125.31	
28-Sep-03	19:19:51	9.55472	4911.125	143.04	
28-Sep-03	19:30:01	9.72417	4939.748	147.70	
28-Sep-03	19:41:11	9.91028	4962.119	148.17	
28-Sep-03	19:51:01	10.07417	4980.242	148.10	
28-Sep-03	20:05:26	10.31444	4999.198	148.01	
28-Sep-03	20:16:06	10.49222	5007.783	148.12	
28-Sep-03	20:27:26	10.68111	5013.215	148.42	
28-Sep-03	20:35:06	10.80889	5015.401	148.66	
28-Sep-03	20:48:01	11.02417	5017.449	149.13	
Second Flow					
28-Sep-03	21:03:51	11.28806	844.347	148.62	
28-Sep-03	21:27:51	11.68806	1564.966	125.28	
28-Sep-03	21:51:56	12.08944	2246.839	126.57	
28-Sep-03	22:15:56	12.48944	2703.180	135.19	
28-Sep-03	22:39:56	12.88944	2978.859	143.82	
Second Shut-in					
28-Sep-03	23:03:41	13.28528	3127.043	148.50	
28-Sep-03	23:03:46	13.28667	3198.647	148.51	
28-Sep-03	23:40:41	13.90194	4947.572	155.41	
29-Sep-03	0:18:16	14.52833	4953.960	153.84	
29-Sep-03	1:02:41	15.26861	4963.291	153.45	
29-Sep-03	1:39:36	15.88389	4968.132	153.63	
29-Sep-03	2:23:31	16.61583	4971.503	154.00	
29-Sep-03	3:09:56	17.38944	4973.335	154.53	
29-Sep-03	3:56:01	18.15750	4974.206	154.99	

Schlumberger

Gauge Comparison Mewburne Oil Co. DST

Tomano 15 Fed 1
Wildcat

10625804
28-Sep-03

