

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
LC-065680

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. 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 1980' FSL & 1850' FWL, Unit Letter K

At top prod. interval reported below Same

At total depth Same

RECEIVED

MAY 04 2006

OCD-ARTESIA

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Geronimo 24 Federal Com #1

9. API Well No.

30-015-34501 S1

10. Field and Pool, or Exploratory

Shugart Morrow 85300

11. Sec., T., R., M., on Block and Survey
or Area Sec 24-T18S-R31E

12. County or Parish

Eddy County

13. State

NM

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

3706' GL

14. Date Spudded

01/28/06

15. Date T.D. Reached

03/07/06

16. Date Completed

☐ D&A ☒ Ready to Prod.18. Total Depth: MD 12350'
TVD19. Plug Back T.D.: MD 12302'
TVD20. Depth Bridge Plug Set: MD
TVD

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

DLL w/Micro, DN w/GR, CBL & Sonic

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	512'		650 C	183	Surface	NA
12 1/4"	9 5/8 K55	40	0	4500'		1825 C	592	Surface	NA
8 3/4"	5 1/2 P/N80	17	0	12350'	DV @ 9805'	2050 H	620	2100'	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"	11868'	11834'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	12046'	12058'	12'	0.24"	48	open
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12046' - 12058'	Frac with 500 gals 7 1/2% NeFe acid and 20,000 gals 40# 70Q Binary Foam with 10,500# 20/40 Sintered Bauxite

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
03/25/06	04/10/06	24	→	22	908	3	50	0.698	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
48/64	47	0	→	22	908	3	41.272	open	

ACCEPTED FOR RECORD

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	
			→						

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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	Tbg 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	Tbg 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	839				
Yates	2363				
Queen	3535				
Penrose	3760				
San Andres	4362				
Delaware	4780				
Bone Spring	6444				
Wolfcamp	9910				
Strawn	10791				
Atoka	11348				
Morrow	11563				
Barnett	12195				
Chester	12261				

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: Dev Rpt, C104, Wtr analysis, Wtr Sundry, DST #1, Site Sec

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) Kristi GreenTitle Hobbs RegulatorySignature Kristi GreenDate 04/26/06

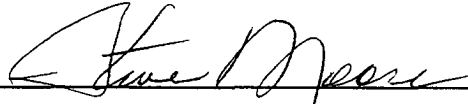
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR MEWBOURNE OIL CO.
WELL/LEASE GERONIMO 24 FED. COM. 1
COUNTY EDDY

048-0040

STATE OF NEW MEXICO
DEVIATION REPORT

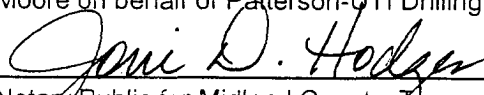
234	0.50	8,404	0.50
439	0.50	8,743	0.50
750	0.25	9,101	0.75
909	0.75	9,228	0.75
1,129	0.50	9,357	0.25
1,321	0.50	9,609	0.75
1,512	0.50	9,768	0.75
1,703	0.75	9,953	1.00
1,923	1.00	10,143	0.50
2,114	2.50	10,399	0.75
2,211	1.75	10,654	0.75
2,274	1.50	10,966	1.50
2,400	1.25	11,092	1.75
2,527	1.50	11,218	1.75
2,622	1.25	11,346	2.50
2,749	0.75	11,441	1.75
2,937	0.50	11,568	2.00
3,098	0.75	11,662	1.75
3,384	0.50	11,791	1.50
3,636	0.25	12,081	2.00
3,898	0.75	12,350	2.00
4,152	0.75		
4,463	0.75		
4,820	0.25		
5,233	0.25		
5,646	0.25		
6,060	0.25		
6,471	0.25		
6,885	0.75		
7,137	1.00		
7,361	1.50		
7,518	0.75		
7,744	0.50		
7,959	0.50		

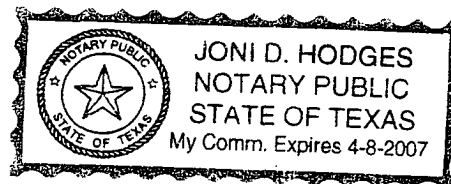
BY: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

March 23, 2006, by Steve


Notary Public for Midland County, Texas
My Commission Expires: 4/08/07



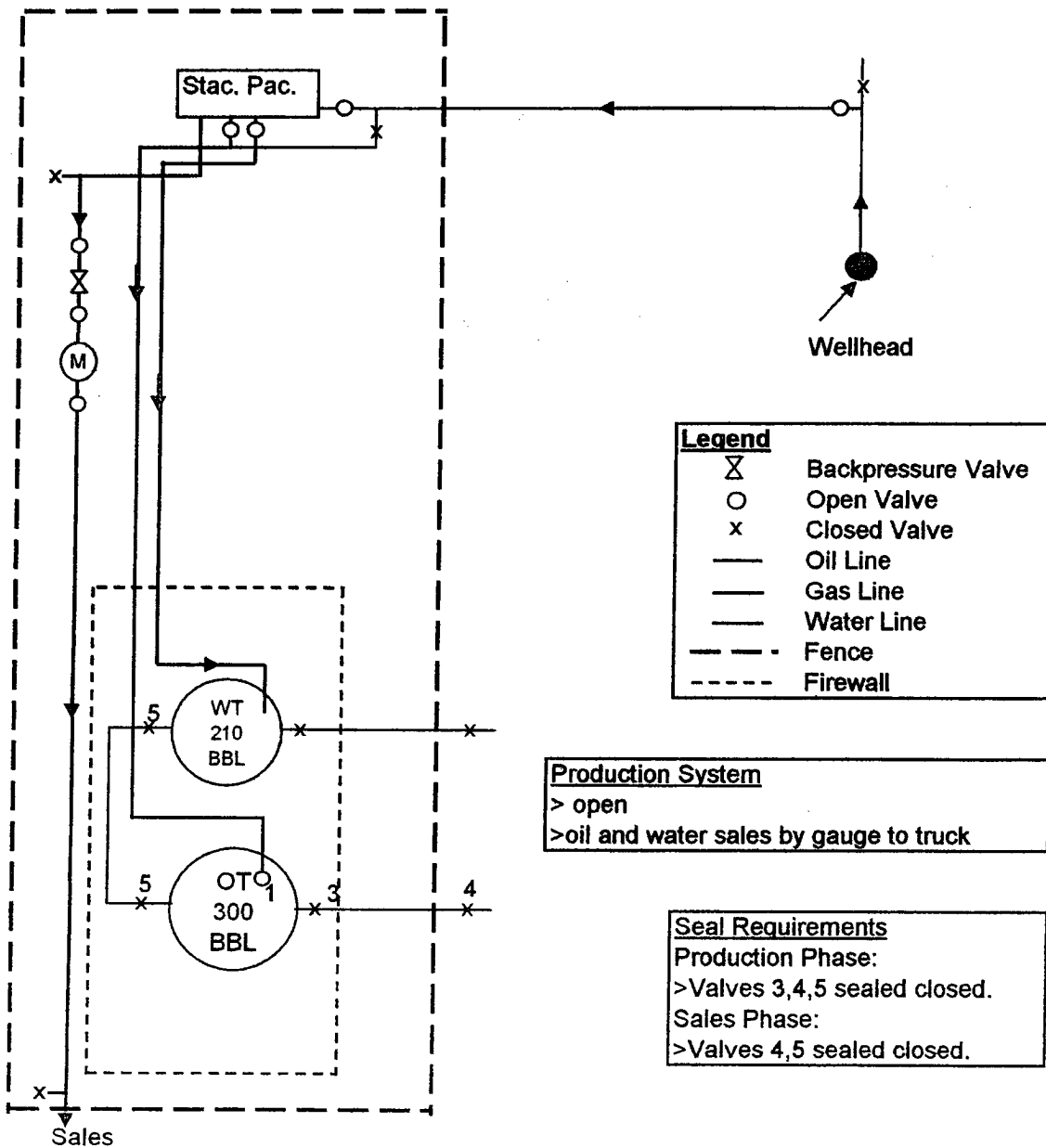
Mewbourne Oil Co.

Geronimo "24" Federal Com #1
1980' FSL & 1850' FWL
Sec. 24, T18S, R31E
Eddy County, NM
API #30-015-34501

Location of Site Security

701 S. Cecil
Box 5270
Hobbs, NM 88240

North



Schlumberger**Job Summary**
Mewbourne Oil
DST**Geronimo "24" Fed Com 1**
Wildcat**Service Order Number : 11145177**
Test Date : 04-Mar-06**Company Rep** Larry Sutton**SWS Rep** Jeremy Cates**Test Information****Test Number** One**Formation** Morrow**Interval (MD ft)** 173' 11953'-12126'**Well Location****Well** Geronimo "24" Fed Com 1**Rig** Patterson #48**Field** Wildcat**State** Eddy - New Mexico**Wellbore Configuration****Total Depth (MD/TVD ft)** 12126**Wellbore Radius (ft)** 8.75"**Casing / Liner ID (in)** 9.625**Mud Weight (lb/gal)** 9.6**Top of Liner (md- ft)** 4500'**Mud Type** C/BR/Starch/LCM**Test String Configuration****Pipe Length (ft) / ID (in)** 11186/ 3.83**Gauge Depth (MD)** 11960**Pipe Length (ft) / ID (in)****Gauge Depth (TVD)** 11960**Drill Collar Length (ft) / ID (in)** 727.89/ 2.25**Test Valve Type** MFE**Packer Depths (ft MD)** 11946 / 11953**Test Valve Depth (ft) (MD)** 11926**Key Information****Initial Hydrostatic Pressure** 6064**Final Shut In Pressure** 5330**Init. Hyd Grad & Density** 0.507 psi/ft / 9.75 lb/gal**Final Shut In Grad & Density** 0.446 psi/ft / 8.57 lb/gal**Final Hydrostatic Pressure** 6040**Final Flowing Pressure** 539**Final Hyd Grad & Density** 0.505 psi/ft / 9.71 lb/gal**Final Flow Rate (Mcf)** 1**Bottom Hole Temp** 174**Productivity Index (Mcf / psi)** 0.000**Job Description / Services Requested**

DSt # 1 was a sucesful test. The bottom gauge read erroneuos data the top gauge read good. We had gas to surface 42 min into the flow. We shut the tool in after 4 hrs the flowing pressure was still building. The recovery was gas cut rat hole mud. Please refer any questions to Schlumberger Testing Thank You.

Schlumberger Crew

Jeremy Cates

Schlumberger**Sequence of Events****Mewbourne Oil****DST****Geronimo "24" Fed Com 1****11145177****Wildcat****04-Mar-06**

Date (dd-mm-yy)	Time (hh:mm:ss)	Comments
4-Mar-06	18:30	Safety Meeting
	18:39	Set Packers
	18:41	Start Flow open to 1/8" bubble hose 1"
	18:42	4"
	18:43	B.O.B.
	18:44	12oz
	18:45	2#
	18:46	2.5#
	18:47	3.5#
	18:48	4.2#
	18:49	5#
	18:51	Open to 1/4" choke 10#
	18:56	Open to 3/8" choke 16#
	19:01	24#
	19:06	34#
	19:11	48#
	19:21	65# Gas to Surface 19:23 (42")
	19:31	140#
	19:36	Open to 1/2" choke 140#
	19:41	130#
	19:51	120#
	20:31	120#
	20:41	130#
	20:56	140#
	21:11	145#
	21:26	155#
	21:41	160#
	21:56	170#
	22:11	175#
	22:26	180#
	22:38	End flow strat shutin 180# 1.12 Mcf/d
5-Mar-06	6:52	End shutin Pull loose

Schlumberger**Sample Chamber Data**

Mewbourne Oil

DST

Geronimo "24" Fed Com 1

11145177

Wildcat

04-Mar-06

Sample Chamber Capacity (cc) 2500

Measured Fluid Recovery

		<u>Temp (F)</u>	<u>Press (psia)</u>
Oil (cc)	API Gravity	75	650.0
Water (cc)	Res. (ohms) ...	75	650.0
Mud (cc)	Res. (ohms) ...		
Total Liquid Recovery (cc)			
Gas (ft3) 3.92		75	650.0

Corrected Sample Chamber Gas Recovery

Bottomhole Temperature (F) 174	Assumed SC Gas Gravity	0.650
Final Flowing Pressure (psia) 539	Est Z Value @ Pwf and Tres	0.951
Corrected Gas Recovery (scf) 2.792		

Sample Chamber Fluid Ratios

Sample Chamber Water Cut
GOR Using Corrected Gas Recovery ...
GLR Using Corrected Gas Recovery

Pipe Recovery

<u>Description</u>	<u>Recovery</u> <u>feet</u>	<u>Pipe ID</u> <u>(in)</u>	<u>Recovery</u> <u>bbl</u>	<u>Oil Density</u> <u>API</u>	<u>RES</u> <u>ohm</u>	<u>CHL</u> <u>ppm</u>
Gas cut mud	429	3.82	6.08			89k
Gas cut mud	727	2.25	3.58			87k

Schlumberger

Gauge Data
Mewbourne Oil
DST

Geronimo "24" Fed Com 1
Wildcat

Gauge Serial # slsr-885

11145177
March 4, 2006

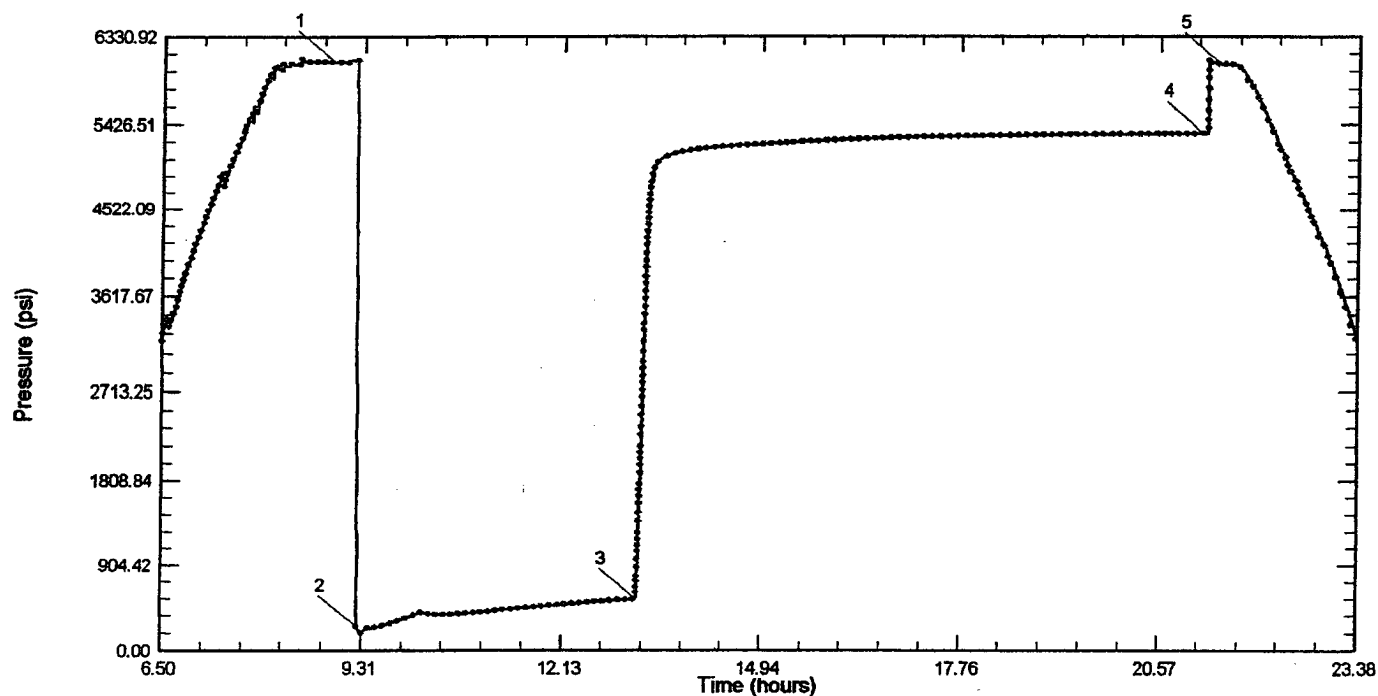
Date (dd-mmm-yy)	Time (hh:mm:ss)	Elapsed Time (hrs)	BHP (psia)	BHT (Deg F)	Comments
Initial Flow					
04-Mar-06	18:42:06	9.25167	248.541	157.93	
04-Mar-06	19:29:21	10.03917	358.781	158.58	
04-Mar-06	20:16:41	10.82806	389.333	150.10	
04-Mar-06	21:03:59	11.61639	444.050	138.49	
04-Mar-06	21:51:15	12.40417	496.910	128.55	
Initial Shut-in					
04-Mar-06	22:38:06	13.18500	538.899	122.70	
04-Mar-06	23:16:36	13.82667	5148.417	172.62	
04-Mar-06	23:56:56	14.49889	5203.491	165.99	
05-Mar-06	0:39:51	15.21417	5236.444	164.01	
05-Mar-06	1:23:49	15.94694	5264.731	163.44	
05-Mar-06	2:10:06	16.71833	5286.096	163.33	
05-Mar-06	2:58:56	17.53222	5300.938	163.40	
05-Mar-06	3:50:51	18.39750	5310.804	163.51	
05-Mar-06	4:43:43	19.27861	5319.571	163.65	
05-Mar-06	5:41:00	20.23333	5326.113	163.81	

Schlumberger

Label Point Data Mewbourne Oil DST

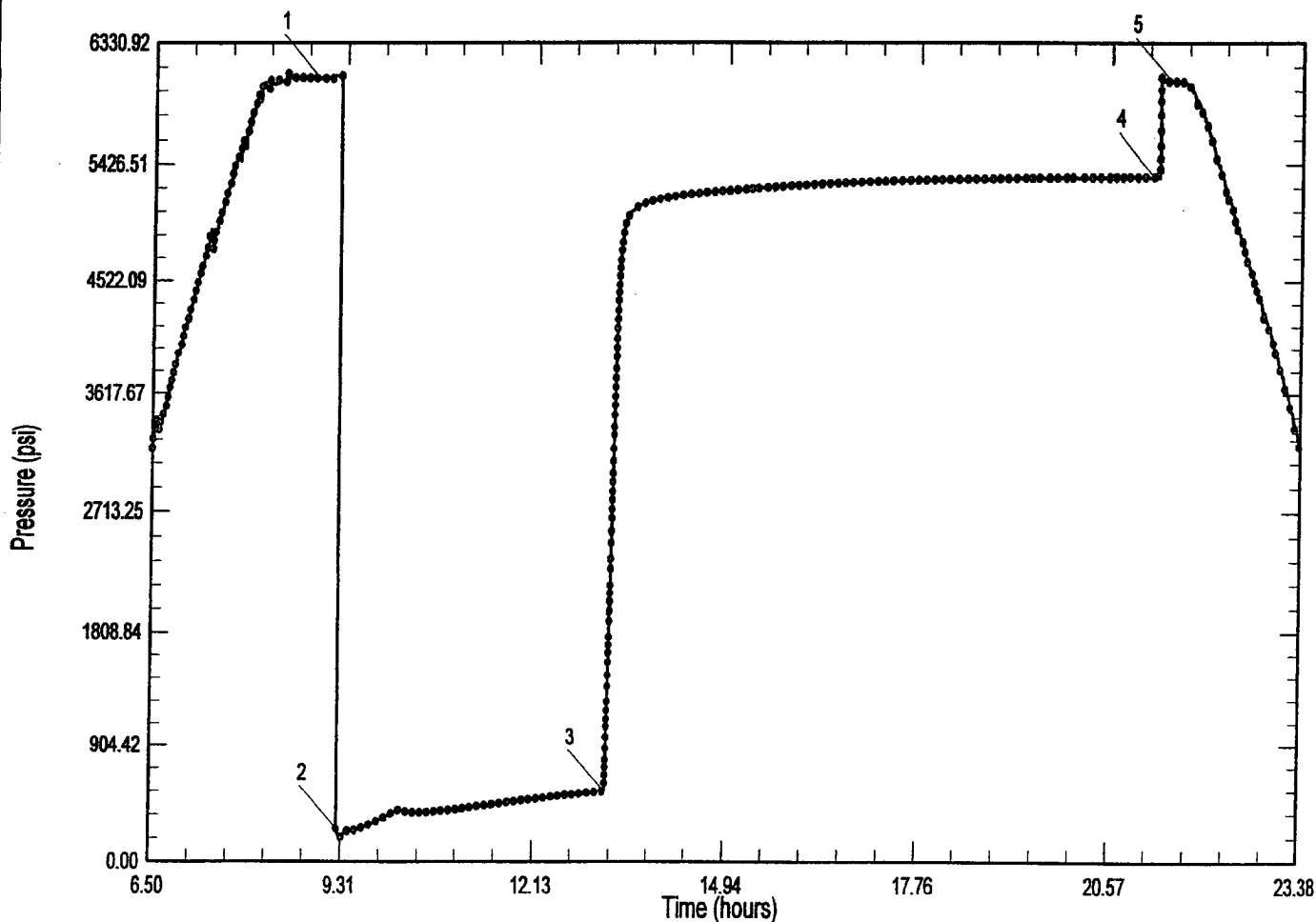
Geronimo "24" Fed Com 1
Wildcat

11145177
04-Mar-06



Label Point / Comments	Date (dd-mm-yy)	Time (hh:mm:ss)	Gauge ET (hours)	BHP (psia)	Rate (Mcf)
Label Point Summary					
1) Hydrostatic Pressure	04-Mar-06	18:20:44	8.896	6063.90	0
2) Start Flow	04-Mar-06	18:42:06	9.252	248.54	1
3) End Flow & Start Shut-in	04-Mar-06	22:38:06	13.185	538.90	0
4) End Shut-in	05-Mar-06	6:38:52	21.198	5329.79	0
5) Hydrostatic Pressure	05-Mar-06	6:52:48	21.430	6039.51	0

Mewbourne Oil
DST
Geronimo "24" Fed Com - 1
Wildcat
Rig : Patterson #48
Eddy - New Mexico



Report Contents

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

Schlumberger Testing Services

Schlumberger

Quicklook Plots
Mewbourne Oil

DST

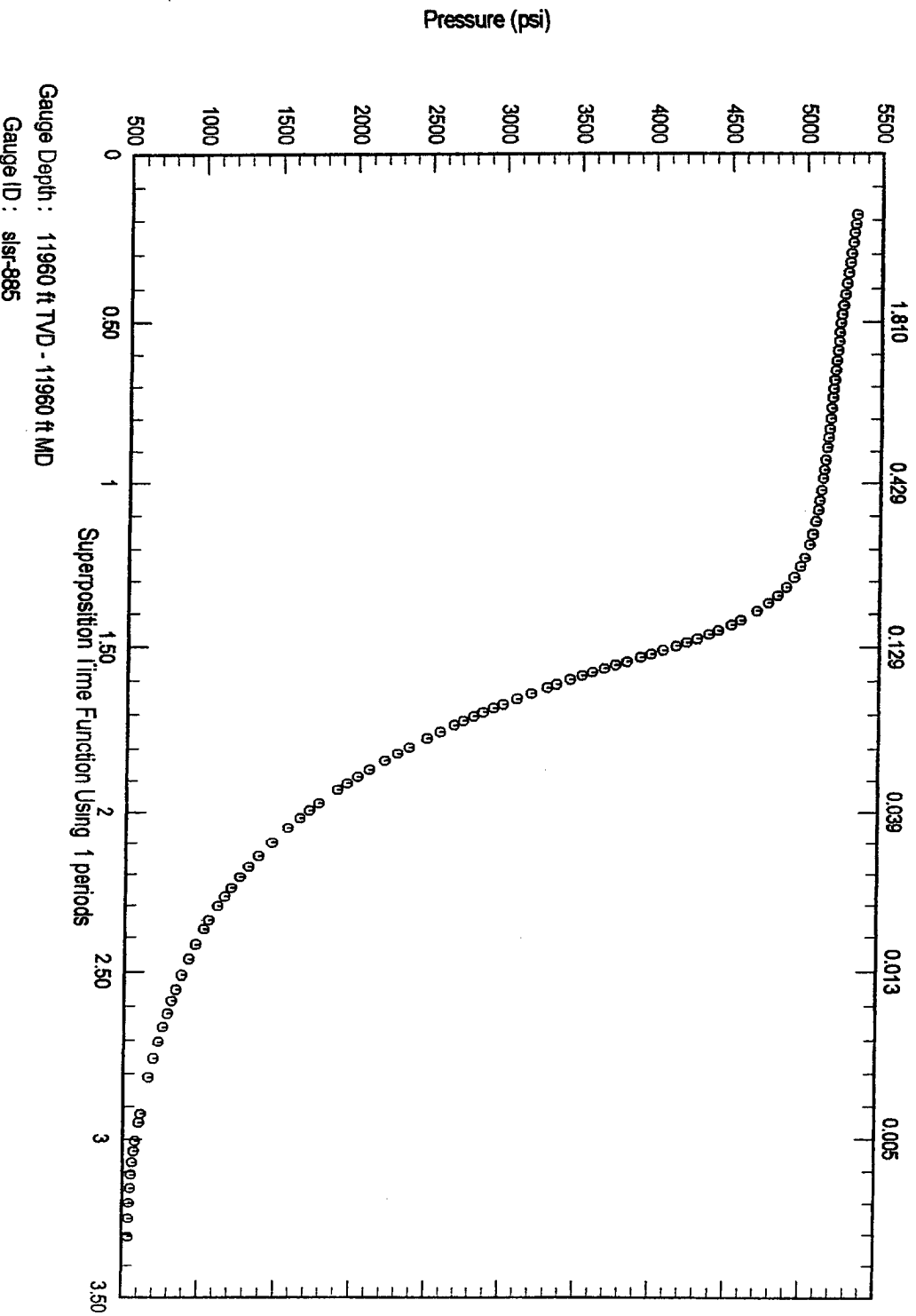
Geronimo "24" Fed Com 1

11145177

Wildcat

04-Mar-08

Semi-log Plot - Initial Shutin Period



Schlumberger

Quicklook Plots
Mewbourne Oil
DST

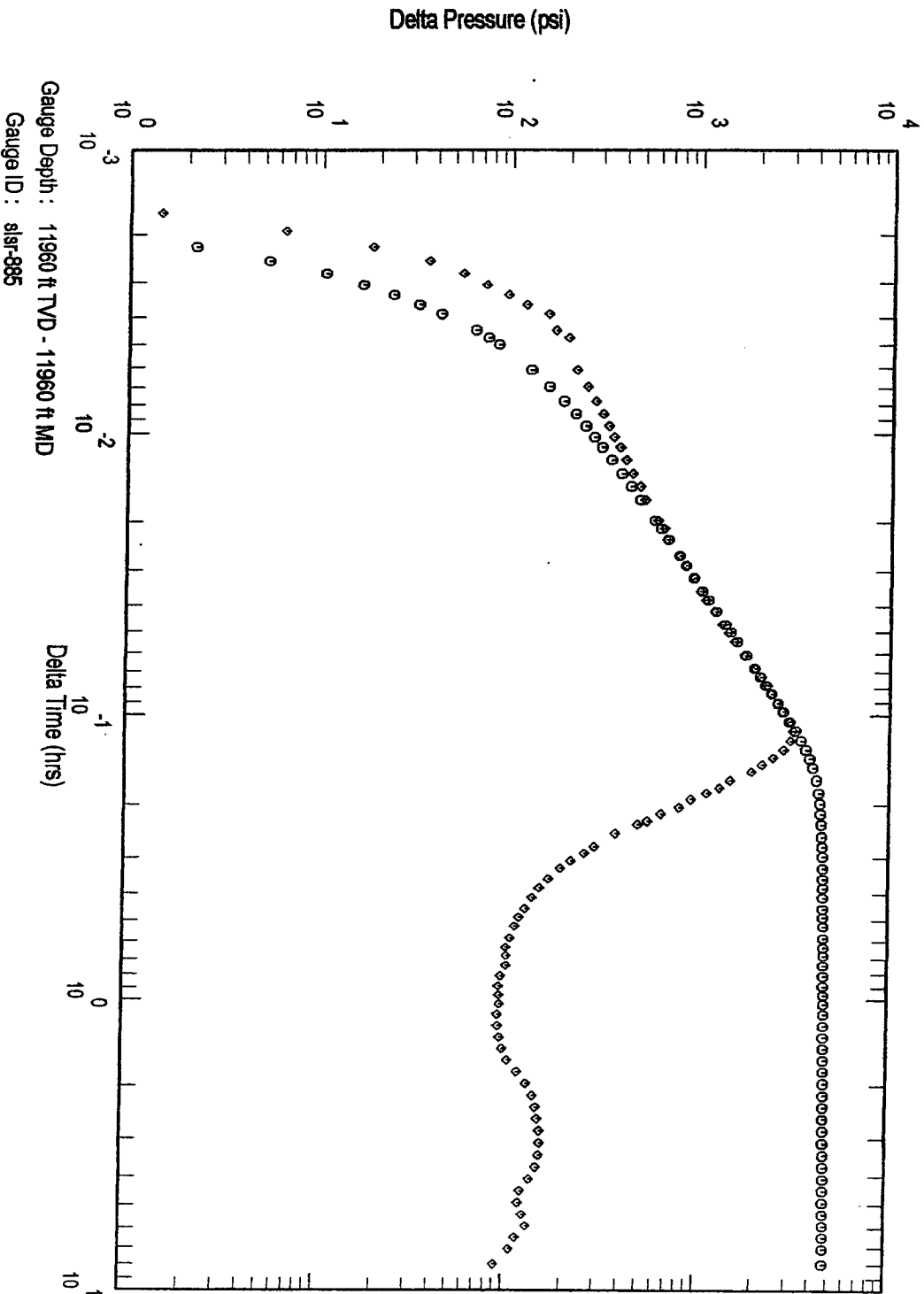
Geronimo "24" Fed Com 1

Wildcat

11145177

04-Mar-06

Log-log Plot - Initial Shutin Period



Schlumberger

Data Plots

Mewbourne Oil
DST

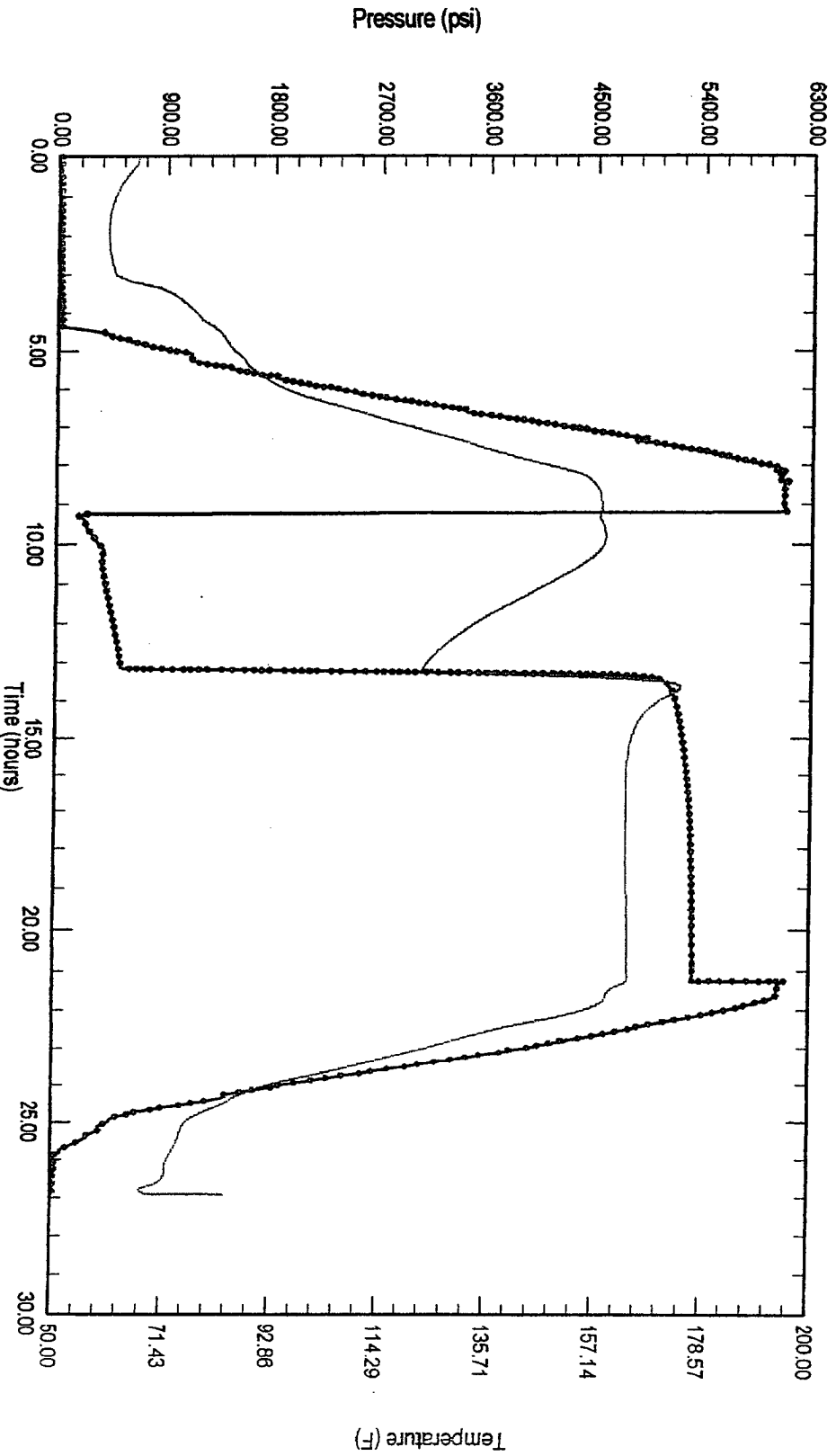
Gerónimo "24" Fed Com 1

Wildcat

11145177

04-Mar-06

Bottomhole Pressure and Temperature Log



Gauge Depth : 11960 ft TVD - 11960 ft MD

Gauge ID : sls-885



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Mewbourne Oil Company
P. O. Box 5270
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Geronimo 24 Fed. Com. #1
COMPANY: Mewbourne Oil Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 3/5/06 11:00am
ANALYSIS DATE: 3/7/06
PRESSURE - PSIA
SAMPLE TEMP. °F 75
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: J. Cates/SLB
ANALYSIS BY: Vickie Sullivan

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	1.095	
Carbon Dioxide (CO2)	0.130	
Methane (C1)	86.438	
Ethane (C2)	7.592	2.026
Propane (C3)	3.162	0.869
I-Butane (IC4)	0.342	0.112
N-Butane (NC4)	0.731	0.230
I-Pentane (IC5)	0.136	0.050
N-Pentane (NC5)	0.161	0.058
Hexane Plus (C6+)	<u>0.213</u>	<u>0.092</u>
	100.000	3.437

BTU/CU.FT. - DRY 1144
AT 14.650 DRY 1140
AT 14.650 WET 1121
AT 14.73 DRY 1147
AT 14.73 WET 1127

MOLECULAR WT. 18.9409

SPECIFIC GRAVITY -
CALCULATED 0.654
MEASURED

Mewbourne Oil Company
Drill Stem Test Report

Foreman: Larry Sutton

Well Name: Geronimo "24" Federal Com. #1 Date of test: 3/4/2006

Section: 24 Township: 18S Range: 31E

DST #: 1 Drill Pipe: 4 1/2" Weight: 16.6 Length: 11186

Driller's TD: 12126 # of DC's: 30 OD/ID: 6 1/4 X 2 1/4 Length: 727.89

Zone: Middle Morrow Blue, Orange, Green & Purple Test Interval: 11953' - 12126' (173')

Mud wt: 9.6 Vis: 31 PV / YP: 3\1 Gels: 22

pH: 10 WL: 9 Cake: 1\32 Chlorides: 91K

Top pkr @: 11946' Btm pkr @: 11953' Straddle test? NA

Cushion: None Type: Choke btm: 0.94 Choke top: 0.5

1st Period: Time tool opened: 17:41 Min. open: 240 Surface psi: 0-180#

Time tool closed: 21:38 Min. closed: 480

Gas to surface: 42 min. Oil or Water to surface: None min.

2nd Period: Time tool opened: Min. open: Surface psi:

Time tool closed: Min. closed:

Gas to surface: min. Oil or Water to surface: min.

Drill String Recovery:	<u></u> (ft.)	Gas		
	<u>1156</u> (ft.)	Gas Cut Drilling Mug	(bbls.)	<u>9.66</u>
	<u></u> (ft.)		(bbls.)	<u></u>
	<u></u> (ft.)		(bbls.)	<u></u>

Btm Hole Pressure Data (btm gauge):

1st Period: I Hyd: 6064#
IF: 249#
IFF: 539#
ISIP: 5330#

2nd Period: FF:
FFF:
FSIP:
F Hyd: 6040#

Sample Chamber Recovery: 2500 CC Gas @ 650# With 3.92cuft Gas

Time tool on bottom: 12 Hours

Time tool pulled loose: 3/5/2006 5:52

Tested by: Schlumberger Testing / Jeremy Cates