

DATE: 11/19/01	SUSPENSE: N/R	ENGINEER: DC	LOGGED IN: NW	TYPE: IPI	APP NO: 0132541303
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

TERRI STATHEM
 Print or Type Name

Signature

PRODUCTION ANALYST
 Title

11-12-01
 Date

TSTATHEM@CONCHORESOURCES.COM
 e-mail Address

OIL CONSERVATION DIV.
 01 NOV 19 PM 3:05

CONCHO OIL & GAS CORP.

Suite 410

110 W. Louisiana
Midland, Texas 79701

(915) 683-7443
FAX 683-7441

November 13, 2001

Mr. David Catanach
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Mr. Catanach:

Re: Application to Increase Injection Pressure
Twin Lakes San Andres Unit
Chaves County, New Mexico

30-005-60560/60595/60795
60696/60697

Concho Oil & Gas Corp. respectfully request approval to increase the authorized injection pressure for the Twin Lakes San Andres Unit well Nos. 19, 30, 32, 40, and 48 based upon your analysis of the enclosed step rate tests.

As evidenced from the data, well Nos. 19, 30, 32 and 40 had not exceeded parting pressure at 1200 psi. This pressure is the maximum available surface pressure of Concho's injection plant.

Please feel free to contact Terri Stathem or myself if you have any questions or need any additional information.

Sincerely,



Greg Wilkes
Senior Operations Engineer



OPERATIONS LOG

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 19
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: GREG WILKES
 FIELD REP: JOHN THOMPSON
 JOB RUN BY: JERRY McCULLOUGH
 DATA PREPARED BY: ROD DODSON
 INSTRUMENT: V-90

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51239B
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11/1/01 07:04:00 AM		ON LOCATION
11/1/01 09:16:00 AM		START GAUGE V-90
11/1/01 09:28:00 AM	36	IN LUBRICATOR W/ GAUGES
11/1/01 09:37:00 AM	36	ON BOTTOM W/ GAUGES @ 2595'
11/1/01 09:43:30 AM	36	START 1ST RATE @ 230 BPD
11/1/01 10:00:00 AM	176	CONTINUE 1ST RATE
11/1/01 10:14:31 AM	220	END 1ST RATE, START 2ND RATE @ 350 BPD
11/1/01 10:30:00 AM	356	CONTINUE 2ND RATE
11/1/01 10:45:01 AM	394	END 2ND RATE, START 3RD RATE @ 466 BPD
11/1/01 11:00:00 AM	462	CONTINUE 3RD RATE
11/1/01 11:13:30 AM	470	END 3RD RATE, START 4TH RATE @ 660 BPD
11/1/01 11:30:00 AM	630	CONTINUE 4TH RATE
11/1/01 11:43:30 AM	626	END 4TH RATE, START 5TH RATE @ 855 BPD
11/1/01 12:00:00 PM	758	CONTINUE 5TH RATE
11/1/01 12:14:01 PM	774	END 5TH RATE, START 6TH RATE @ 1050 BPD
11/1/01 12:30:00 PM	912	CONTINUE 6TH RATE
11/1/01 12:43:30 PM	924	END 6TH RATE, START 7TH RATE @ 1244 BPD
11/1/01 01:00:00 PM	1044	CONTINUE 7TH RATE
11/1/01 01:14:31 PM	1050	END 7TH RATE, START 8TH RATE @ 1444 BPD
11/1/01 01:30:00 PM	1118	CONTINUE 8TH RATE

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51239B
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11/1/01 01:44:01 PM	1138	END 8TH RATE, START 9TH RATE @ 1638 BPD
11/1/01 02:00:00 PM	1276	CONTINUE 9TH RATE
11/1/01 02:13:30 PM	1328	END 9TH RATE

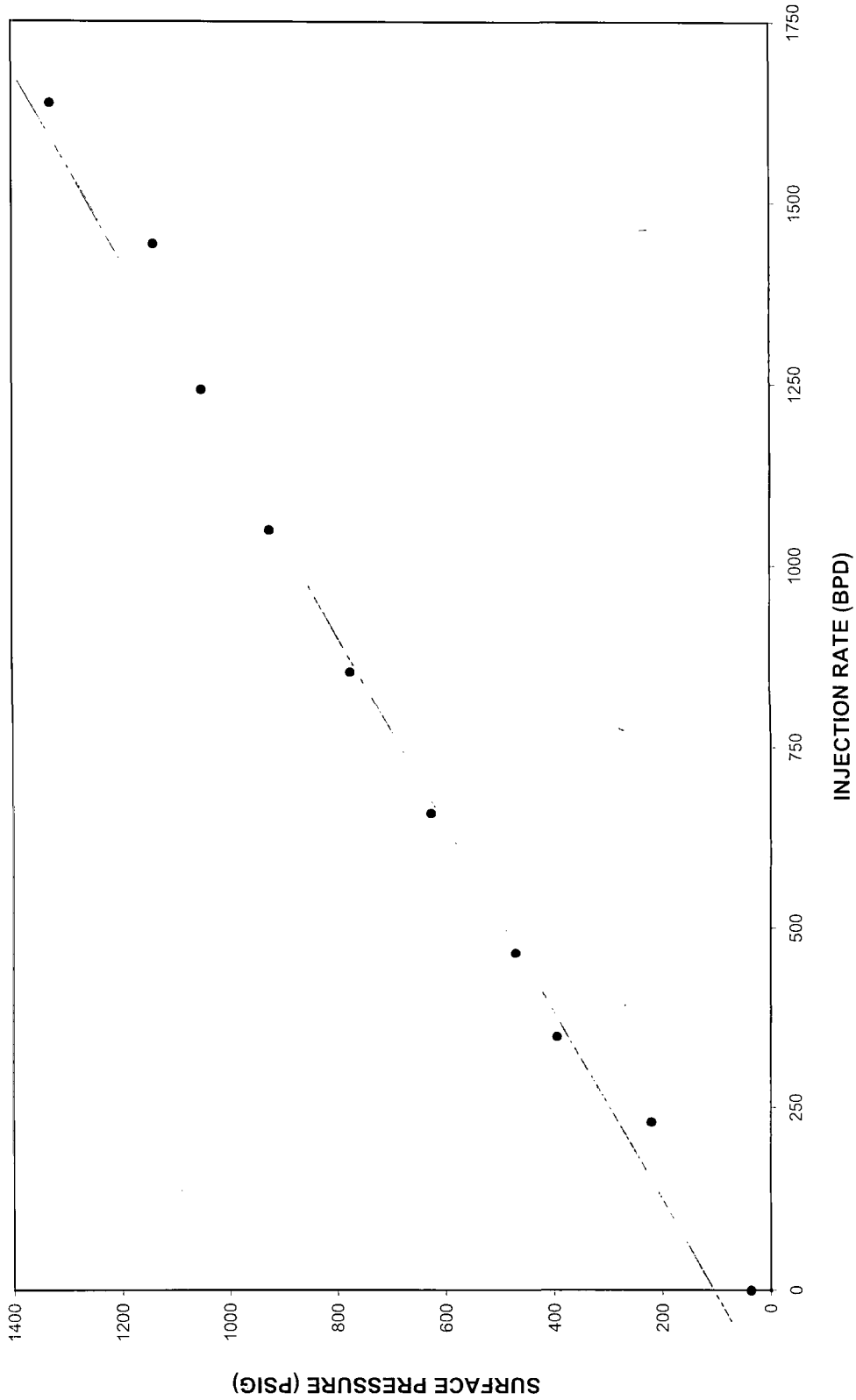
ARC **PRESSURE DATA** INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 19

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB #: 51239B
 TEST DATE: 11/1/01

STEP-RATE TEST - WHP VS. INJECTION RATE



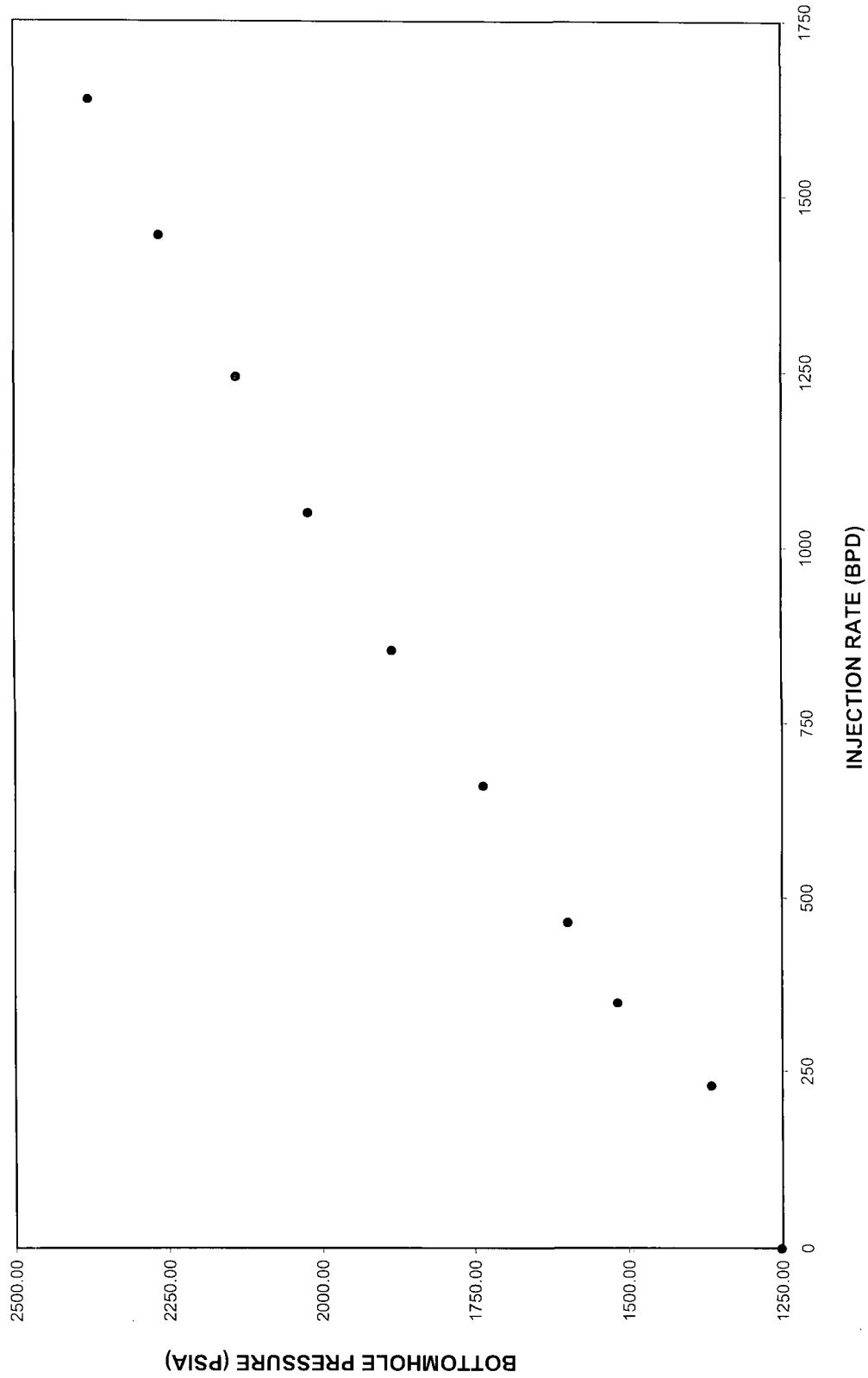


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TUSAU
WELL NUMBER: 19

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51239B
TEST DATE: 11/1/01 - 11/1/01

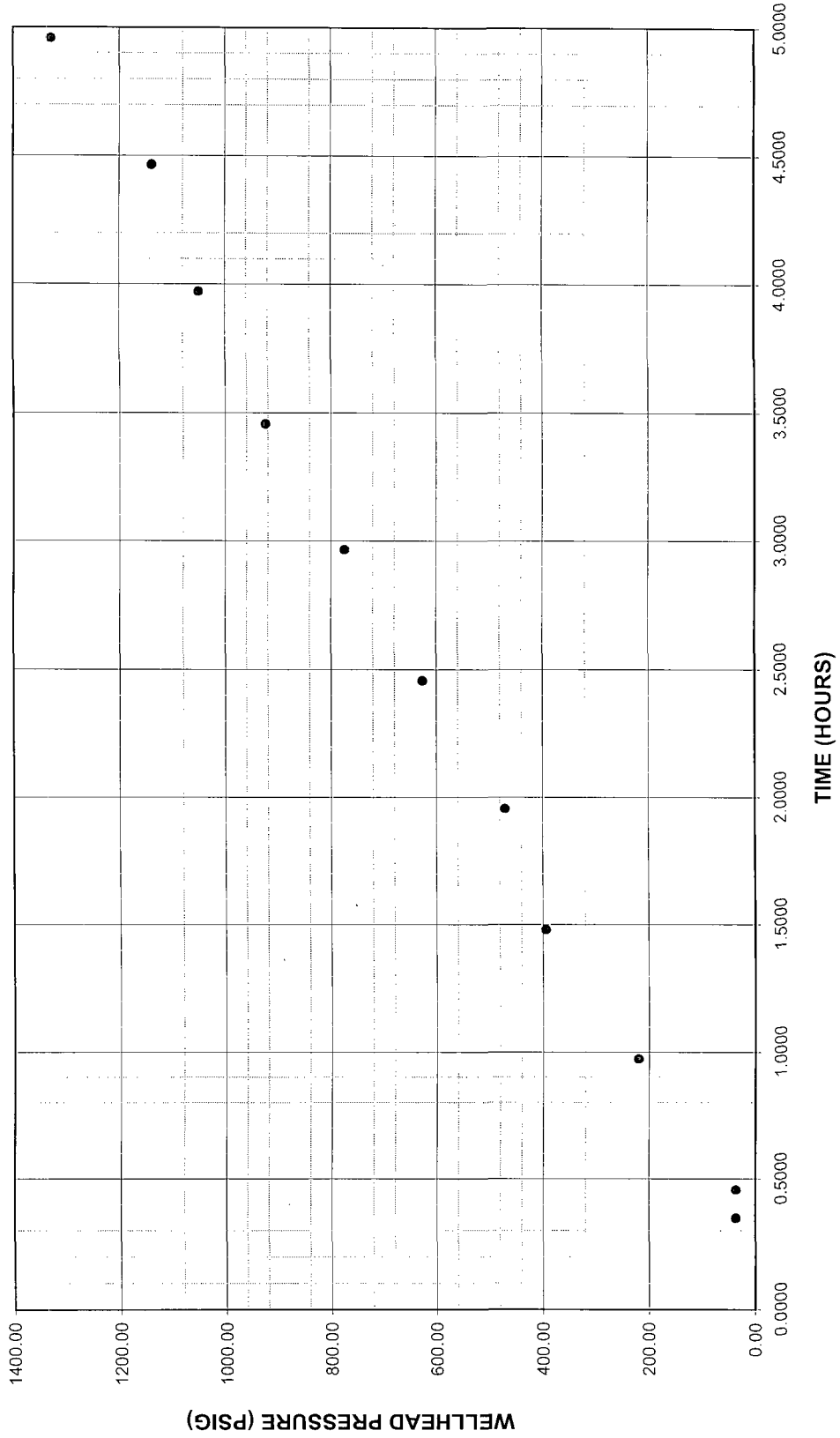
STEP-RATE TEST - BHP VS. INJECTION RATE





COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB # 51239B
LEASE: TUSAU COUNTY: CHAVES TEST DATE: 11/1/01
WELL NUMBER: 19 STATE: NM

WELLHEAD PRESSURE VS TIME

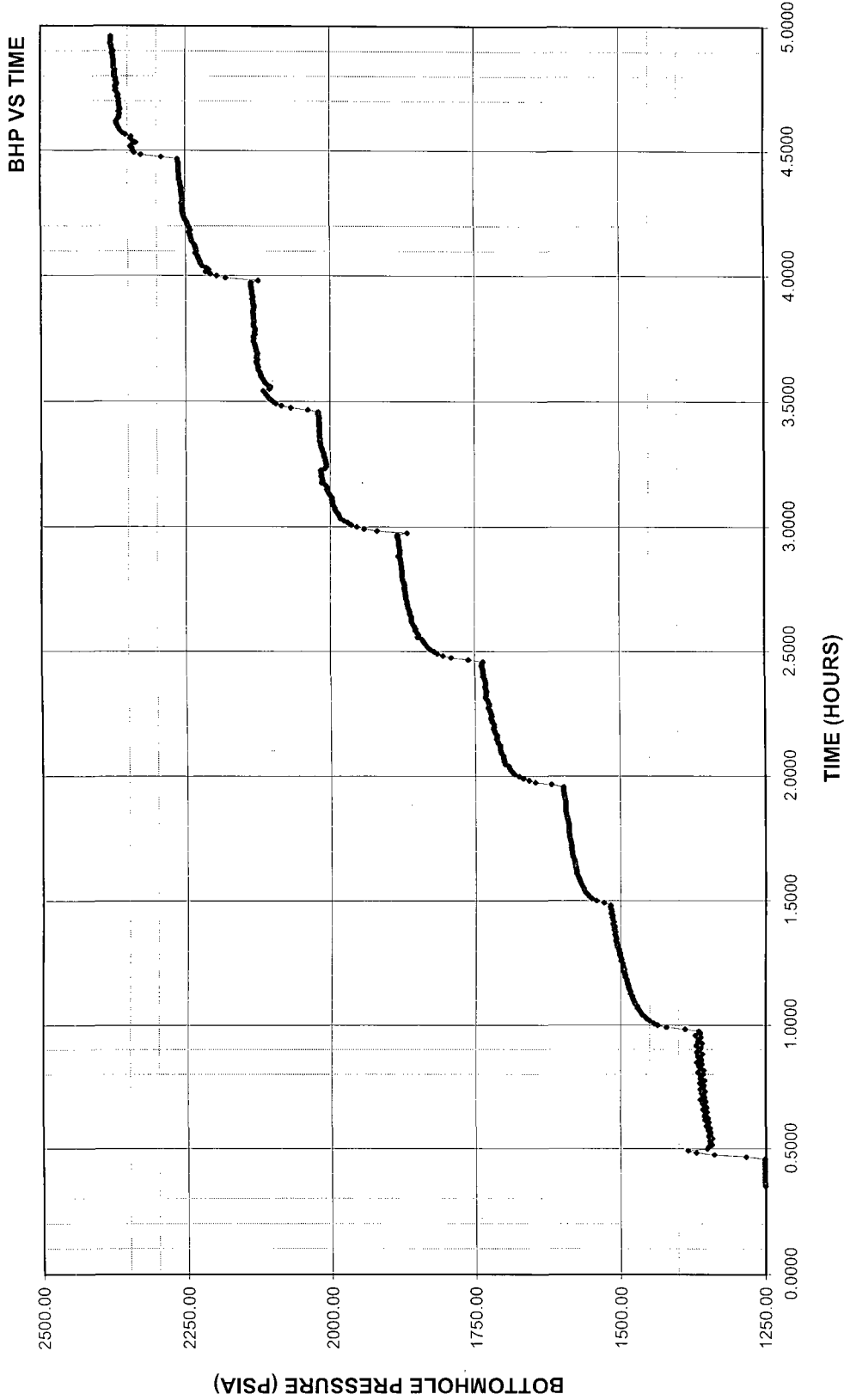


ARC **PRESSURE DATA** INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 19

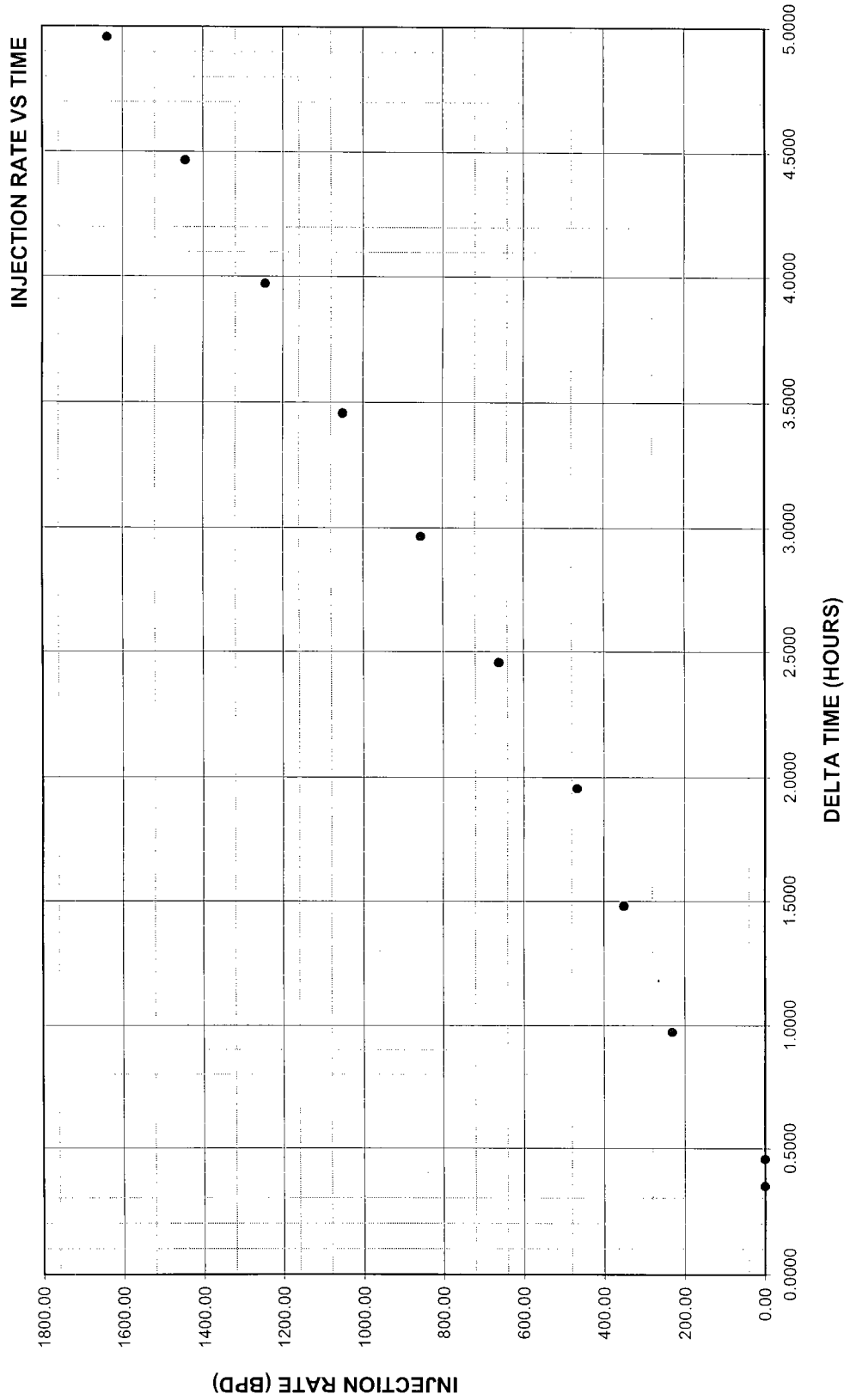
FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB # 51239B
 TEST DATE: 11/1/01





COMPANY:	CONCHO OIL & GAS CORP.	FIELD:	TWIN LAKES	JOB #	51239B
LEASE:	TLSAU	COUNTY:	CHAVES	TEST DATE:	11/1/01
WELL NUMBER:	19	STATE:	NM		



ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 19
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 11/1/01 - 11/1/01
 RUN DEPTH: 2595
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 51239B
11/1/01 09:43:30 AM	0.4583	1251.77	36.00	0.00	
11/1/01 10:14:30 AM	0.9750	1365.30	220.00	230.00	
11/1/01 10:45:00 AM	1.4833	1517.37	394.00	350.00	
11/1/01 11:13:30 AM	1.9583	1597.88	470.00	466.00	
11/1/01 11:43:30 AM	2.4583	1735.84	626.00	660.00	
11/1/01 12:14:00 PM	2.9667	1883.61	774.00	855.00	
11/1/01 12:43:30 PM	3.4583	2020.27	924.00	1050.00	
11/1/01 01:14:30 PM	3.9750	2137.69	1050.00	1244.00	
11/1/01 01:44:00 PM	4.4667	2263.74	1138.00	1444.00	
11/1/01 02:13:30 PM	4.9583	2378.56	1328.00	1638.00	

ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 19
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 11/1/01 - 11/1/01
 RUN DEPTH: 2595
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 7:04:00 AM			ON LOCATION
11/1/01 9:16:00 AM			START GAUGE V-90
11/1/01 9:28:00 AM			IN LUBRICATOR W/ GAUGES
11/1/01 9:37:00 AM			ON BOTTOM W/ GAUGES @ 2595'
11/1/01 9:37:00 AM	0.3500	1250.68	
11/1/01 9:37:30 AM	0.3583	1251.22	
11/1/01 9:38:00 AM	0.3667	1251.43	
11/1/01 9:38:30 AM	0.3750	1251.50	
11/1/01 9:39:00 AM	0.3833	1251.57	
11/1/01 9:39:30 AM	0.3917	1251.61	
11/1/01 9:40:00 AM	0.4000	1251.64	
11/1/01 9:40:30 AM	0.4083	1251.68	
11/1/01 9:41:00 AM	0.4167	1251.69	
11/1/01 9:41:30 AM	0.4250	1251.71	
11/1/01 9:42:00 AM	0.4333	1251.72	
11/1/01 9:42:30 AM	0.4417	1251.75	
11/1/01 9:43:00 AM	0.4500	1251.76	
11/1/01 9:43:30 AM	0.4583	1251.77	
11/1/01 9:43:30 AM			START 1ST RATE @ 230 BPD
11/1/01 9:44:00 AM	0.4667	1284.22	
11/1/01 9:44:30 AM	0.4750	1339.25	
11/1/01 9:45:00 AM	0.4833	1369.71	
11/1/01 9:45:30 AM	0.4917	1383.76	
11/1/01 9:46:00 AM	0.5000	1350.72	
11/1/01 9:46:30 AM	0.5083	1348.64	
11/1/01 9:47:00 AM	0.5167	1343.00	
11/1/01 9:47:30 AM	0.5250	1345.34	
11/1/01 9:48:00 AM	0.5333	1346.04	
11/1/01 9:48:30 AM	0.5417	1342.48	
11/1/01 9:49:00 AM	0.5500	1348.78	
11/1/01 9:49:30 AM	0.5583	1345.80	
11/1/01 9:50:00 AM	0.5667	1345.33	
11/1/01 9:50:30 AM	0.5750	1350.18	
11/1/01 9:51:00 AM	0.5833	1346.08	
11/1/01 9:51:30 AM	0.5917	1352.44	
11/1/01 9:52:00 AM	0.6000	1349.41	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 9:52:30 AM	0.6083	1348.40	
11/1/01 9:53:00 AM	0.6167	1354.39	
11/1/01 9:53:30 AM	0.6250	1348.76	
11/1/01 9:54:00 AM	0.6333	1355.03	
11/1/01 9:54:30 AM	0.6417	1353.08	
11/1/01 9:55:00 AM	0.6500	1350.52	
11/1/01 9:55:30 AM	0.6583	1358.08	
11/1/01 9:56:00 AM	0.6667	1351.69	
11/1/01 9:56:30 AM	0.6750	1355.56	
11/1/01 9:57:00 AM	0.6833	1358.38	
11/1/01 9:57:30 AM	0.6917	1353.17	
11/1/01 9:58:00 AM	0.7000	1362.12	
11/1/01 9:58:30 AM	0.7083	1355.07	
11/1/01 9:59:00 AM	0.7167	1356.84	
11/1/01 9:59:30 AM	0.7250	1360.68	
11/1/01 10:00:00 AM	0.7333	1354.50	
11/1/01 10:00:00 AM			CONTINUE 1ST RATE
11/1/01 10:00:30 AM	0.7417	1362.56	
11/1/01 10:01:00 AM	0.7500	1357.61	
11/1/01 10:01:30 AM	0.7583	1356.82	
11/1/01 10:02:00 AM	0.7667	1363.15	
11/1/01 10:02:30 AM	0.7750	1355.22	
11/1/01 10:03:00 AM	0.7833	1362.58	
11/1/01 10:03:30 AM	0.7917	1361.64	
11/1/01 10:04:00 AM	0.8000	1357.49	
11/1/01 10:04:30 AM	0.8083	1366.52	
11/1/01 10:05:00 AM	0.8167	1357.15	
11/1/01 10:05:30 AM	0.8250	1362.15	
11/1/01 10:06:00 AM	0.8333	1365.06	
11/1/01 10:06:30 AM	0.8417	1359.34	
11/1/01 10:07:00 AM	0.8500	1369.15	
11/1/01 10:07:30 AM	0.8583	1360.21	
11/1/01 10:08:00 AM	0.8667	1362.51	
11/1/01 10:08:30 AM	0.8750	1366.73	
11/1/01 10:09:00 AM	0.8833	1358.68	
11/1/01 10:09:30 AM	0.8917	1368.78	
11/1/01 10:10:00 AM	0.9000	1363.90	
11/1/01 10:10:30 AM	0.9083	1361.33	
11/1/01 10:11:00 AM	0.9167	1369.50	
11/1/01 10:11:30 AM	0.9250	1360.13	
11/1/01 10:12:00 AM	0.9333	1367.13	
11/1/01 10:12:30 AM	0.9417	1365.03	
11/1/01 10:13:00 AM	0.9500	1361.72	
11/1/01 10:13:30 AM	0.9583	1371.28	
11/1/01 10:14:00 AM	0.9667	1362.41	
11/1/01 10:14:30 AM	0.9750	1365.30	
11/1/01 10:14:31 AM			END 1ST RATE, START 2ND RATE @ 350 BPD
11/1/01 10:15:00 AM	0.9833	1388.05	
11/1/01 10:15:30 AM	0.9917	1420.53	
11/1/01 10:16:00 AM	1.0000	1436.07	
11/1/01 10:16:30 AM	1.0083	1442.57	
11/1/01 10:17:00 AM	1.0167	1449.86	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 10:17:30 AM	1.0250	1454.88	
11/1/01 10:18:00 AM	1.0333	1458.10	
11/1/01 10:18:30 AM	1.0417	1463.15	
11/1/01 10:19:00 AM	1.0500	1464.76	
11/1/01 10:19:30 AM	1.0583	1467.76	
11/1/01 10:20:00 AM	1.0667	1470.26	
11/1/01 10:20:30 AM	1.0750	1471.05	
11/1/01 10:21:00 AM	1.0833	1474.42	
11/1/01 10:21:30 AM	1.0917	1475.44	
11/1/01 10:22:00 AM	1.1000	1477.20	
11/1/01 10:22:30 AM	1.1083	1479.56	
11/1/01 10:23:00 AM	1.1167	1480.05	
11/1/01 10:23:30 AM	1.1250	1482.48	
11/1/01 10:24:00 AM	1.1333	1483.32	
11/1/01 10:24:30 AM	1.1417	1484.51	
11/1/01 10:25:00 AM	1.1500	1486.63	
11/1/01 10:25:30 AM	1.1583	1486.74	
11/1/01 10:26:00 AM	1.1667	1488.51	
11/1/01 10:26:30 AM	1.1750	1489.33	
11/1/01 10:27:00 AM	1.1833	1489.45	
11/1/01 10:27:30 AM	1.1917	1491.91	
11/1/01 10:28:00 AM	1.2000	1491.51	
11/1/01 10:28:30 AM	1.2083	1492.93	
11/1/01 10:29:00 AM	1.2167	1494.45	
11/1/01 10:29:30 AM	1.2250	1494.03	
11/1/01 10:30:00 AM			CONTINUE 2ND RATE
11/1/01 10:30:00 AM	1.2333	1495.53	
11/1/01 10:30:30 AM	1.2417	1496.17	
11/1/01 10:31:00 AM	1.2500	1496.79	
11/1/01 10:31:30 AM	1.2583	1498.77	
11/1/01 10:32:00 AM	1.2667	1498.59	
11/1/01 10:32:30 AM	1.2750	1500.28	
11/1/01 10:33:00 AM	1.2833	1500.71	
11/1/01 10:33:30 AM	1.2917	1500.83	
11/1/01 10:34:00 AM	1.3000	1503.11	
11/1/01 10:34:30 AM	1.3083	1503.00	
11/1/01 10:35:00 AM	1.3167	1505.08	
11/1/01 10:35:30 AM	1.3250	1506.40	
11/1/01 10:36:00 AM	1.3333	1506.02	
11/1/01 10:36:30 AM	1.3417	1508.11	
11/1/01 10:37:00 AM	1.3500	1507.56	
11/1/01 10:37:30 AM	1.3583	1508.16	
11/1/01 10:38:00 AM	1.3667	1509.80	
11/1/01 10:38:30 AM	1.3750	1509.31	
11/1/01 10:39:00 AM	1.3833	1511.00	
11/1/01 10:39:30 AM	1.3917	1510.93	
11/1/01 10:40:00 AM	1.4000	1511.10	
11/1/01 10:40:30 AM	1.4083	1513.18	
11/1/01 10:41:00 AM	1.4167	1512.04	
11/1/01 10:41:30 AM	1.4250	1513.85	
11/1/01 10:42:00 AM	1.4333	1514.07	
11/1/01 10:42:30 AM	1.4417	1513.94	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 10:43:00 AM	1.4500	1515.94	
11/1/01 10:43:30 AM	1.4583	1515.12	
11/1/01 10:44:00 AM	1.4667	1516.57	
11/1/01 10:44:30 AM	1.4750	1517.68	
11/1/01 10:45:00 AM	1.4833	1517.37	
11/1/01 10:45:01 AM			END 2ND RATE, START 3RD RATE @ 466 BPD
11/1/01 10:45:30 AM	1.4917	1528.49	
11/1/01 10:46:00 AM	1.5000	1541.37	
11/1/01 10:46:30 AM	1.5083	1549.05	
11/1/01 10:47:00 AM	1.5167	1553.61	
11/1/01 10:47:30 AM	1.5250	1556.40	
11/1/01 10:48:00 AM	1.5333	1560.29	
11/1/01 10:48:30 AM	1.5417	1562.62	
11/1/01 10:49:00 AM	1.5500	1563.67	
11/1/01 10:49:30 AM	1.5583	1565.92	
11/1/01 10:50:00 AM	1.5667	1567.87	
11/1/01 10:50:30 AM	1.5750	1569.10	
11/1/01 10:51:00 AM	1.5833	1570.83	
11/1/01 10:51:30 AM	1.5917	1572.09	
11/1/01 10:52:00 AM	1.6000	1573.83	
11/1/01 10:52:30 AM	1.6083	1575.13	
11/1/01 10:53:00 AM	1.6167	1575.83	
11/1/01 10:53:30 AM	1.6250	1576.57	
11/1/01 10:54:00 AM	1.6333	1577.78	
11/1/01 10:54:30 AM	1.6417	1578.31	
11/1/01 10:55:00 AM	1.6500	1578.75	
11/1/01 10:55:30 AM	1.6583	1579.18	
11/1/01 10:56:00 AM	1.6667	1580.24	
11/1/01 10:56:30 AM	1.6750	1581.76	
11/1/01 10:57:00 AM	1.6833	1582.53	
11/1/01 10:57:30 AM	1.6917	1583.39	
11/1/01 10:58:00 AM	1.7000	1583.91	
11/1/01 10:58:30 AM	1.7083	1584.15	
11/1/01 10:59:00 AM	1.7167	1584.22	
11/1/01 10:59:30 AM	1.7250	1584.66	
11/1/01 11:00:00 AM			CONTINUE 3RD RATE
11/1/01 11:00:00 AM	1.7333	1585.45	
11/1/01 11:00:30 AM	1.7417	1585.96	
11/1/01 11:01:00 AM	1.7500	1586.95	
11/1/01 11:01:30 AM	1.7583	1588.01	
11/1/01 11:02:00 AM	1.7667	1588.32	
11/1/01 11:02:30 AM	1.7750	1588.89	
11/1/01 11:03:00 AM	1.7833	1589.01	
11/1/01 11:03:30 AM	1.7917	1589.11	
11/1/01 11:04:00 AM	1.8000	1589.05	
11/1/01 11:04:30 AM	1.8083	1589.27	
11/1/01 11:05:00 AM	1.8167	1590.05	
11/1/01 11:05:30 AM	1.8250	1590.71	
11/1/01 11:06:00 AM	1.8333	1591.54	
11/1/01 11:06:30 AM	1.8417	1592.87	
11/1/01 11:07:00 AM	1.8500	1593.35	
11/1/01 11:07:30 AM	1.8583	1594.00	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 11:08:00 AM	1.8667	1594.23
11/1/01 11:08:30 AM	1.8750	1594.16
11/1/01 11:09:00 AM	1.8833	1594.00
11/1/01 11:09:30 AM	1.8917	1594.06
11/1/01 11:10:00 AM	1.9000	1594.65
11/1/01 11:10:30 AM	1.9083	1595.25
11/1/01 11:11:00 AM	1.9167	1595.89
11/1/01 11:11:30 AM	1.9250	1597.06
11/1/01 11:12:00 AM	1.9333	1597.31
11/1/01 11:12:30 AM	1.9417	1597.80
11/1/01 11:13:00 AM	1.9500	1598.18
11/1/01 11:13:30 AM	1.9583	1597.88

END 3RD RATE, START 4TH RATE @ 660 BPD

11/1/01 11:14:00 AM	1.9667	1618.26
11/1/01 11:14:30 AM	1.9750	1646.31
11/1/01 11:15:00 AM	1.9833	1657.69
11/1/01 11:15:30 AM	1.9917	1667.15
11/1/01 11:16:00 AM	2.0000	1674.47
11/1/01 11:16:30 AM	2.0083	1682.53
11/1/01 11:17:00 AM	2.0167	1686.26
11/1/01 11:17:30 AM	2.0250	1688.79
11/1/01 11:18:00 AM	2.0333	1690.98
11/1/01 11:18:30 AM	2.0417	1692.71
11/1/01 11:19:00 AM	2.0500	1698.32
11/1/01 11:19:30 AM	2.0583	1699.62
11/1/01 11:20:00 AM	2.0667	1700.17
11/1/01 11:20:30 AM	2.0750	1701.43
11/1/01 11:21:00 AM	2.0833	1701.26
11/1/01 11:21:30 AM	2.0917	1704.91
11/1/01 11:22:00 AM	2.1000	1706.31
11/1/01 11:22:30 AM	2.1083	1706.78
11/1/01 11:23:00 AM	2.1167	1707.07
11/1/01 11:23:30 AM	2.1250	1707.18
11/1/01 11:24:00 AM	2.1333	1710.85
11/1/01 11:24:30 AM	2.1417	1711.01
11/1/01 11:25:00 AM	2.1500	1712.94
11/1/01 11:25:30 AM	2.1583	1712.46
11/1/01 11:26:00 AM	2.1667	1712.23
11/1/01 11:26:30 AM	2.1750	1715.67
11/1/01 11:27:00 AM	2.1833	1716.91
11/1/01 11:27:30 AM	2.1917	1718.70
11/1/01 11:28:00 AM	2.2000	1717.80
11/1/01 11:28:30 AM	2.2083	1717.72
11/1/01 11:29:00 AM	2.2167	1720.61
11/1/01 11:29:30 AM	2.2250	1721.19

CONTINUE 4TH RATE

11/1/01 11:30:00 AM	2.2333	1722.75
11/1/01 11:30:30 AM	2.2417	1721.46
11/1/01 11:31:00 AM	2.2500	1721.90
11/1/01 11:31:30 AM	2.2583	1724.15
11/1/01 11:32:00 AM	2.2667	1725.04
11/1/01 11:32:30 AM	2.2750	1727.12

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 11:33:00 AM	2.2833	1725.47	
11/1/01 11:33:30 AM	2.2917	1725.78	
11/1/01 11:34:00 AM	2.3000	1727.88	
11/1/01 11:34:30 AM	2.3083	1729.17	
11/1/01 11:35:00 AM	2.3167	1731.58	
11/1/01 11:35:30 AM	2.3250	1730.74	
11/1/01 11:36:00 AM	2.3333	1730.75	
11/1/01 11:36:30 AM	2.3417	1729.90	
11/1/01 11:37:00 AM	2.3500	1731.60	
11/1/01 11:37:30 AM	2.3583	1733.35	
11/1/01 11:38:00 AM	2.3667	1731.90	
11/1/01 11:38:30 AM	2.3750	1732.06	
11/1/01 11:39:00 AM	2.3833	1733.05	
11/1/01 11:39:30 AM	2.3917	1734.12	
11/1/01 11:40:00 AM	2.4000	1736.27	
11/1/01 11:40:30 AM	2.4083	1734.97	
11/1/01 11:41:00 AM	2.4167	1735.44	
11/1/01 11:41:30 AM	2.4250	1736.06	
11/1/01 11:42:00 AM	2.4333	1736.89	
11/1/01 11:42:30 AM	2.4417	1738.47	
11/1/01 11:43:00 AM	2.4500	1737.27	
11/1/01 11:43:30 AM	2.4583	1735.84	
11/1/01 11:43:30 AM			END 4TH RATE, START 5TH RATE @ 855 BPD
11/1/01 11:44:00 AM	2.4667	1760.61	
11/1/01 11:44:30 AM	2.4750	1790.04	
11/1/01 11:45:00 AM	2.4833	1804.83	
11/1/01 11:45:30 AM	2.4917	1815.12	
11/1/01 11:46:00 AM	2.5000	1820.28	
11/1/01 11:46:30 AM	2.5083	1826.03	
11/1/01 11:47:00 AM	2.5167	1830.49	
11/1/01 11:47:30 AM	2.5250	1833.83	
11/1/01 11:48:00 AM	2.5333	1836.29	
11/1/01 11:48:30 AM	2.5417	1838.61	
11/1/01 11:49:00 AM	2.5500	1840.53	
11/1/01 11:49:30 AM	2.5583	1848.54	
11/1/01 11:50:00 AM	2.5667	1847.36	
11/1/01 11:50:30 AM	2.5750	1849.79	
11/1/01 11:51:00 AM	2.5833	1852.55	
11/1/01 11:51:30 AM	2.5917	1852.34	
11/1/01 11:52:00 AM	2.6000	1854.37	
11/1/01 11:52:30 AM	2.6083	1857.26	
11/1/01 11:53:00 AM	2.6167	1858.37	
11/1/01 11:53:30 AM	2.6250	1859.48	
11/1/01 11:54:00 AM	2.6333	1859.42	
11/1/01 11:54:30 AM	2.6417	1860.06	
11/1/01 11:55:00 AM	2.6500	1862.06	
11/1/01 11:55:30 AM	2.6583	1862.77	
11/1/01 11:56:00 AM	2.6667	1863.60	
11/1/01 11:56:30 AM	2.6750	1864.98	
11/1/01 11:57:00 AM	2.6833	1865.97	
11/1/01 11:57:30 AM	2.6917	1867.16	
11/1/01 11:58:00 AM	2.7000	1867.19	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 11:58:30 AM	2.7083	1868.44	
11/1/01 11:59:00 AM	2.7167	1869.41	
11/1/01 11:59:30 AM	2.7250	1869.73	
11/1/01 12:00:00 PM			CONTINUE 5TH RATE
11/1/01 12:00:00 PM	2.7333	1870.13	
11/1/01 12:00:30 PM	2.7417	1870.66	
11/1/01 12:01:00 PM	2.7500	1871.09	
11/1/01 12:01:30 PM	2.7583	1871.73	
11/1/01 12:02:00 PM	2.7667	1871.29	
11/1/01 12:02:30 PM	2.7750	1872.55	
11/1/01 12:03:00 PM	2.7833	1873.84	
11/1/01 12:03:30 PM	2.7917	1874.98	
11/1/01 12:04:00 PM	2.8000	1875.48	
11/1/01 12:04:30 PM	2.8083	1876.27	
11/1/01 12:05:00 PM	2.8167	1876.05	
11/1/01 12:05:30 PM	2.8250	1876.05	
11/1/01 12:06:00 PM	2.8333	1876.42	
11/1/01 12:06:30 PM	2.8417	1876.54	
11/1/01 12:07:00 PM	2.8500	1877.28	
11/1/01 12:07:30 PM	2.8583	1877.91	
11/1/01 12:08:00 PM	2.8667	1878.80	
11/1/01 12:08:30 PM	2.8750	1879.79	
11/1/01 12:09:00 PM	2.8833	1882.27	
11/1/01 12:09:30 PM	2.8917	1879.93	
11/1/01 12:10:00 PM	2.9000	1879.56	
11/1/01 12:10:30 PM	2.9083	1879.79	
11/1/01 12:11:00 PM	2.9167	1880.71	
11/1/01 12:11:30 PM	2.9250	1881.38	
11/1/01 12:12:00 PM	2.9333	1881.49	
11/1/01 12:12:30 PM	2.9417	1881.02	
11/1/01 12:13:00 PM	2.9500	1882.13	
11/1/01 12:13:30 PM	2.9583	1883.62	
11/1/01 12:14:00 PM	2.9667	1883.61	
11/1/01 12:14:01 PM			END 5TH RATE, START 6TH RATE @ 1050 BPD
11/1/01 12:14:30 PM	2.9750	1866.90	
11/1/01 12:15:00 PM	2.9833	1918.65	
11/1/01 12:15:30 PM	2.9917	1941.10	
11/1/01 12:16:00 PM	3.0000	1953.81	
11/1/01 12:16:30 PM	3.0083	1964.00	
11/1/01 12:17:00 PM	3.0167	1969.24	
11/1/01 12:17:30 PM	3.0250	1976.21	
11/1/01 12:18:00 PM	3.0333	1982.47	
11/1/01 12:18:30 PM	3.0417	1984.55	
11/1/01 12:19:00 PM	3.0500	1986.16	
11/1/01 12:19:30 PM	3.0583	1989.49	
11/1/01 12:20:00 PM	3.0667	1991.72	
11/1/01 12:20:30 PM	3.0750	1993.04	
11/1/01 12:21:00 PM	3.0833	1994.70	
11/1/01 12:21:30 PM	3.0917	1996.65	
11/1/01 12:22:00 PM	3.1000	1996.40	
11/1/01 12:22:30 PM	3.1083	1997.44	
11/1/01 12:23:00 PM	3.1167	1997.29	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 12:23:30 PM	3.1250	1999.69	
11/1/01 12:24:00 PM	3.1333	2002.27	
11/1/01 12:24:30 PM	3.1417	2004.44	
11/1/01 12:25:00 PM	3.1500	2006.18	
11/1/01 12:25:30 PM	3.1583	2006.57	
11/1/01 12:26:00 PM	3.1667	2008.90	
11/1/01 12:26:30 PM	3.1750	2015.10	
11/1/01 12:27:00 PM	3.1833	2013.87	
11/1/01 12:27:30 PM	3.1917	2014.58	
11/1/01 12:28:00 PM	3.2000	2016.12	
11/1/01 12:28:30 PM	3.2083	2014.94	
11/1/01 12:29:00 PM	3.2167	2016.16	
11/1/01 12:29:30 PM	3.2250	2016.74	
11/1/01 12:30:00 PM			CONTINUE 6TH RATE
11/1/01 12:30:00 PM	3.2333	2009.74	
11/1/01 12:30:30 PM	3.2417	2007.10	
11/1/01 12:31:00 PM	3.2500	2007.48	
11/1/01 12:31:30 PM	3.2583	2008.38	
11/1/01 12:32:00 PM	3.2667	2009.17	
11/1/01 12:32:30 PM	3.2750	2010.31	
11/1/01 12:33:00 PM	3.2833	2011.38	
11/1/01 12:33:30 PM	3.2917	2011.27	
11/1/01 12:34:00 PM	3.3000	2013.75	
11/1/01 12:34:30 PM	3.3083	2013.29	
11/1/01 12:35:00 PM	3.3167	2015.63	
11/1/01 12:35:30 PM	3.3250	2015.75	
11/1/01 12:36:00 PM	3.3333	2016.58	
11/1/01 12:36:30 PM	3.3417	2018.08	
11/1/01 12:37:00 PM	3.3500	2017.48	
11/1/01 12:37:30 PM	3.3583	2017.71	
11/1/01 12:38:00 PM	3.3667	2017.73	
11/1/01 12:38:30 PM	3.3750	2017.88	
11/1/01 12:39:00 PM	3.3833	2018.49	
11/1/01 12:39:30 PM	3.3917	2018.04	
11/1/01 12:40:00 PM	3.4000	2018.57	
11/1/01 12:40:30 PM	3.4083	2018.85	
11/1/01 12:41:00 PM	3.4167	2019.31	
11/1/01 12:41:30 PM	3.4250	2019.61	
11/1/01 12:42:00 PM	3.4333	2018.93	
11/1/01 12:42:30 PM	3.4417	2019.88	
11/1/01 12:43:00 PM	3.4500	2020.38	
11/1/01 12:43:30 PM	3.4583	2020.27	
11/1/01 12:43:30 PM			END 6TH RATE, START 7TH RATE @ 1244 BPD
11/1/01 12:44:00 PM	3.4667	2038.51	
11/1/01 12:44:30 PM	3.4750	2068.70	
11/1/01 12:45:00 PM	3.4833	2084.90	
11/1/01 12:45:30 PM	3.4917	2094.08	
11/1/01 12:46:00 PM	3.5000	2099.11	
11/1/01 12:46:30 PM	3.5083	2102.97	
11/1/01 12:47:00 PM	3.5167	2107.86	
11/1/01 12:47:30 PM	3.5250	2111.02	
11/1/01 12:48:00 PM	3.5333	2113.33	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 12:48:30 PM	3.5417	2115.86	
11/1/01 12:49:00 PM	3.5500	2105.03	
11/1/01 12:49:30 PM	3.5583	2103.17	
11/1/01 12:50:00 PM	3.5667	2108.75	
11/1/01 12:50:30 PM	3.5750	2113.48	
11/1/01 12:51:00 PM	3.5833	2115.29	
11/1/01 12:51:30 PM	3.5917	2116.89	
11/1/01 12:52:00 PM	3.6000	2119.36	
11/1/01 12:52:30 PM	3.6083	2120.54	
11/1/01 12:53:00 PM	3.6167	2121.67	
11/1/01 12:53:30 PM	3.6250	2123.66	
11/1/01 12:54:00 PM	3.6333	2124.62	
11/1/01 12:54:30 PM	3.6417	2124.62	
11/1/01 12:55:00 PM	3.6500	2126.75	
11/1/01 12:55:30 PM	3.6583	2128.64	
11/1/01 12:56:00 PM	3.6667	2126.31	
11/1/01 12:56:30 PM	3.6750	2127.86	
11/1/01 12:57:00 PM	3.6833	2126.52	
11/1/01 12:57:30 PM	3.6917	2126.17	
11/1/01 12:58:00 PM	3.7000	2127.54	
11/1/01 12:58:30 PM	3.7083	2128.69	
11/1/01 12:59:00 PM	3.7167	2129.75	
11/1/01 12:59:30 PM	3.7250	2130.00	
11/1/01 1:00:00 PM			CONTINUE 7TH RATE
11/1/01 1:00:00 PM	3.7333	2131.33	
11/1/01 1:00:30 PM	3.7417	2132.71	
11/1/01 1:01:00 PM	3.7500	2132.50	
11/1/01 1:01:30 PM	3.7583	2133.09	
11/1/01 1:02:00 PM	3.7667	2130.56	
11/1/01 1:02:30 PM	3.7750	2130.92	
11/1/01 1:03:00 PM	3.7833	2130.21	
11/1/01 1:03:30 PM	3.7917	2130.66	
11/1/01 1:04:00 PM	3.8000	2132.18	
11/1/01 1:04:30 PM	3.8083	2132.95	
11/1/01 1:05:00 PM	3.8167	2132.30	
11/1/01 1:05:30 PM	3.8250	2132.36	
11/1/01 1:06:00 PM	3.8333	2132.74	
11/1/01 1:06:30 PM	3.8417	2133.10	
11/1/01 1:07:00 PM	3.8500	2133.03	
11/1/01 1:07:30 PM	3.8583	2133.75	
11/1/01 1:08:00 PM	3.8667	2133.46	
11/1/01 1:08:30 PM	3.8750	2132.37	
11/1/01 1:09:00 PM	3.8833	2132.32	
11/1/01 1:09:30 PM	3.8917	2133.58	
11/1/01 1:10:00 PM	3.9000	2133.82	
11/1/01 1:10:30 PM	3.9083	2134.67	
11/1/01 1:11:00 PM	3.9167	2134.38	
11/1/01 1:11:30 PM	3.9250	2134.83	
11/1/01 1:12:00 PM	3.9333	2135.51	
11/1/01 1:12:30 PM	3.9417	2135.98	
11/1/01 1:13:00 PM	3.9500	2137.09	
11/1/01 1:13:30 PM	3.9583	2137.48	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 1:14:00 PM	3.9667	2137.47	
11/1/01 1:14:30 PM	3.9750	2137.69	
11/1/01 1:14:31 PM			END 7TH RATE, START 8TH RATE @ 1444 BPD
11/1/01 1:15:00 PM	3.9833	2125.33	
11/1/01 1:15:30 PM	3.9917	2181.42	
11/1/01 1:16:00 PM	4.0000	2197.11	
11/1/01 1:16:30 PM	4.0083	2208.06	
11/1/01 1:17:00 PM	4.0167	2215.49	
11/1/01 1:17:30 PM	4.0250	2210.70	
11/1/01 1:18:00 PM	4.0333	2214.66	
11/1/01 1:18:30 PM	4.0417	2221.74	
11/1/01 1:19:00 PM	4.0500	2224.43	
11/1/01 1:19:30 PM	4.0583	2225.46	
11/1/01 1:20:00 PM	4.0667	2227.56	
11/1/01 1:20:30 PM	4.0750	2229.25	
11/1/01 1:21:00 PM	4.0833	2230.10	
11/1/01 1:21:30 PM	4.0917	2233.72	
11/1/01 1:22:00 PM	4.1000	2232.07	
11/1/01 1:22:30 PM	4.1083	2232.71	
11/1/01 1:23:00 PM	4.1167	2233.45	
11/1/01 1:23:30 PM	4.1250	2235.66	
11/1/01 1:24:00 PM	4.1333	2238.16	
11/1/01 1:24:30 PM	4.1417	2240.55	
11/1/01 1:25:00 PM	4.1500	2240.90	
11/1/01 1:25:30 PM	4.1583	2242.01	
11/1/01 1:26:00 PM	4.1667	2242.82	
11/1/01 1:26:30 PM	4.1750	2244.32	
11/1/01 1:27:00 PM	4.1833	2241.97	
11/1/01 1:27:30 PM	4.1917	2243.41	
11/1/01 1:28:00 PM	4.2000	2244.74	
11/1/01 1:28:30 PM	4.2083	2246.07	
11/1/01 1:29:00 PM	4.2167	2247.69	
11/1/01 1:29:30 PM	4.2250	2250.20	
11/1/01 1:30:00 PM			CONTINUE 8TH RATE
11/1/01 1:30:00 PM	4.2333	2252.18	
11/1/01 1:30:30 PM	4.2417	2253.84	
11/1/01 1:31:00 PM	4.2500	2254.04	
11/1/01 1:31:30 PM	4.2583	2254.97	
11/1/01 1:32:00 PM	4.2667	2254.81	
11/1/01 1:32:30 PM	4.2750	2255.07	
11/1/01 1:33:00 PM	4.2833	2255.24	
11/1/01 1:33:30 PM	4.2917	2256.40	
11/1/01 1:34:00 PM	4.3000	2254.80	
11/1/01 1:34:30 PM	4.3083	2254.50	
11/1/01 1:35:00 PM	4.3167	2255.62	
11/1/01 1:35:30 PM	4.3250	2255.95	
11/1/01 1:36:00 PM	4.3333	2256.28	
11/1/01 1:36:30 PM	4.3417	2256.86	
11/1/01 1:37:00 PM	4.3500	2256.55	
11/1/01 1:37:30 PM	4.3583	2257.73	
11/1/01 1:38:00 PM	4.3667	2259.36	
11/1/01 1:38:30 PM	4.3750	2258.89	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
11/1/01 1:39:00 PM	4.3833	2260.74	
11/1/01 1:39:30 PM	4.3917	2260.48	
11/1/01 1:40:00 PM	4.4000	2260.79	
11/1/01 1:40:30 PM	4.4083	2260.72	
11/1/01 1:41:00 PM	4.4167	2261.36	
11/1/01 1:41:30 PM	4.4250	2261.79	
11/1/01 1:42:00 PM	4.4333	2262.12	
11/1/01 1:42:30 PM	4.4417	2262.04	
11/1/01 1:43:00 PM	4.4500	2261.56	
11/1/01 1:43:30 PM	4.4583	2262.90	
11/1/01 1:44:00 PM	4.4667	2263.74	
11/1/01 1:44:01 PM			END 8TH RATE, START 9TH RATE @ 1638 BPD
11/1/01 1:44:30 PM	4.4750	2291.23	
11/1/01 1:45:00 PM	4.4833	2326.86	
11/1/01 1:45:30 PM	4.4917	2338.49	
11/1/01 1:46:00 PM	4.5000	2341.11	
11/1/01 1:46:30 PM	4.5083	2340.94	
11/1/01 1:47:00 PM	4.5167	2344.83	
11/1/01 1:47:30 PM	4.5250	2341.91	
11/1/01 1:48:00 PM	4.5333	2335.54	
11/1/01 1:48:30 PM	4.5417	2340.53	
11/1/01 1:49:00 PM	4.5500	2344.28	
11/1/01 1:49:30 PM	4.5583	2343.95	
11/1/01 1:50:00 PM	4.5667	2353.17	
11/1/01 1:50:30 PM	4.5750	2358.59	
11/1/01 1:51:00 PM	4.5833	2361.99	
11/1/01 1:51:30 PM	4.5917	2364.78	
11/1/01 1:52:00 PM	4.6000	2366.58	
11/1/01 1:52:30 PM	4.6083	2368.54	
11/1/01 1:53:00 PM	4.6167	2370.01	
11/1/01 1:53:30 PM	4.6250	2367.43	
11/1/01 1:54:00 PM	4.6333	2364.32	
11/1/01 1:54:30 PM	4.6417	2363.99	
11/1/01 1:55:00 PM	4.6500	2363.72	
11/1/01 1:55:30 PM	4.6583	2364.74	
11/1/01 1:56:00 PM	4.6667	2362.79	
11/1/01 1:56:30 PM	4.6750	2363.60	
11/1/01 1:57:00 PM	4.6833	2364.47	
11/1/01 1:57:30 PM	4.6917	2364.27	
11/1/01 1:58:00 PM	4.7000	2364.97	
11/1/01 1:58:30 PM	4.7083	2365.07	
11/1/01 1:59:00 PM	4.7167	2366.75	
11/1/01 1:59:30 PM	4.7250	2366.41	
11/1/01 2:00:00 PM			CONTINUE 9TH RATE
11/1/01 2:00:00 PM	4.7333	2367.60	
11/1/01 2:00:30 PM	4.7417	2370.73	
11/1/01 2:01:00 PM	4.7500	2370.00	
11/1/01 2:01:30 PM	4.7583	2371.26	
11/1/01 2:02:00 PM	4.7667	2368.66	
11/1/01 2:02:30 PM	4.7750	2368.81	
11/1/01 2:03:00 PM	4.7833	2370.08	
11/1/01 2:03:30 PM	4.7917	2369.89	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51239B
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11/1/01 2:04:00 PM	4.8000	2371.89	
11/1/01 2:04:30 PM	4.8083	2372.08	
11/1/01 2:05:00 PM	4.8167	2372.36	
11/1/01 2:05:30 PM	4.8250	2371.66	
11/1/01 2:06:00 PM	4.8333	2373.66	
11/1/01 2:06:30 PM	4.8417	2374.36	
11/1/01 2:07:00 PM	4.8500	2374.17	
11/1/01 2:07:30 PM	4.8583	2374.23	
11/1/01 2:08:00 PM	4.8667	2373.76	
11/1/01 2:08:30 PM	4.8750	2375.34	
11/1/01 2:09:00 PM	4.8833	2374.85	
11/1/01 2:09:30 PM	4.8917	2376.35	
11/1/01 2:10:00 PM	4.9000	2375.35	
11/1/01 2:10:30 PM	4.9083	2376.36	
11/1/01 2:11:00 PM	4.9167	2377.54	
11/1/01 2:11:30 PM	4.9250	2377.59	
11/1/01 2:12:00 PM	4.9333	2379.23	
11/1/01 2:12:30 PM	4.9417	2378.94	
11/1/01 2:13:00 PM	4.9500	2378.57	
11/1/01 2:13:30 PM	4.9583	2378.56	
11/1/01 2:13:30 PM			END 9TH RATE



OPERATIONS LOG

COMPANY: CONCHO OIL & GAS CORP.
LEASE: TLSAU # 30
FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
COUNTY: CHAVES
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: GREG WILKES
FIELD REP: JOHN THOMPSON
JOB RUN BY: JERRY McCULLOUGH
DATA PREPARED BY: ROD DODSON
INSTRUMENT: V-90

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51241
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10/30/01 08:30:00 AM	ON LOCATION
10/30/01 09:01:00 AM	START GAUGE V-90
10/30/01 09:26:00 AM	ON BOTTOM W/ GAUGES @ 2678'
10/30/01 09:30:01 AM	START 1ST RATE @ 233 BPD
10/30/01 09:45:01 AM	CONTINUE 1ST RATE
10/30/01 10:00:01 AM	END 1ST RATE, START 2ND RATE @ 350 BPD
10/30/01 10:15:01 AM	CONTINUE 2ND RATE
10/30/01 10:30:01 AM	END 2ND RATE, START 3RD RATE @ 466 BPD
10/30/01 10:45:01 AM	CONTINUE 3RD RATE
10/30/01 11:00:01 AM	END 3RD RATE, START 4TH RATE @ 660 BPD
10/30/01 11:15:01 AM	CONTINUE 4TH RATE
10/30/01 11:30:01 AM	END 4TH RATE, START 5TH RATE @ 759 BPD
10/30/01 11:45:01 AM	CONTINUE 5TH RATE
10/30/01 12:00:01 PM	END 5TH RATE, START 6TH RATE @ 1050 BPD
10/30/01 12:15:01 PM	CONTINUE 6TH RATE
10/30/01 12:30:01 PM	END 6TH RATE, START 7TH RATE @ 1244 BPD
10/30/01 12:45:01 PM	CONTINUE 7TH RATE
10/30/01 01:00:01 PM	END 7TH RATE, START 8TH RATE @ 1438 BPD
10/30/01 01:15:01 PM	CONTINUE 8TH RATE
10/30/01 01:30:01 PM	END 8TH RATE

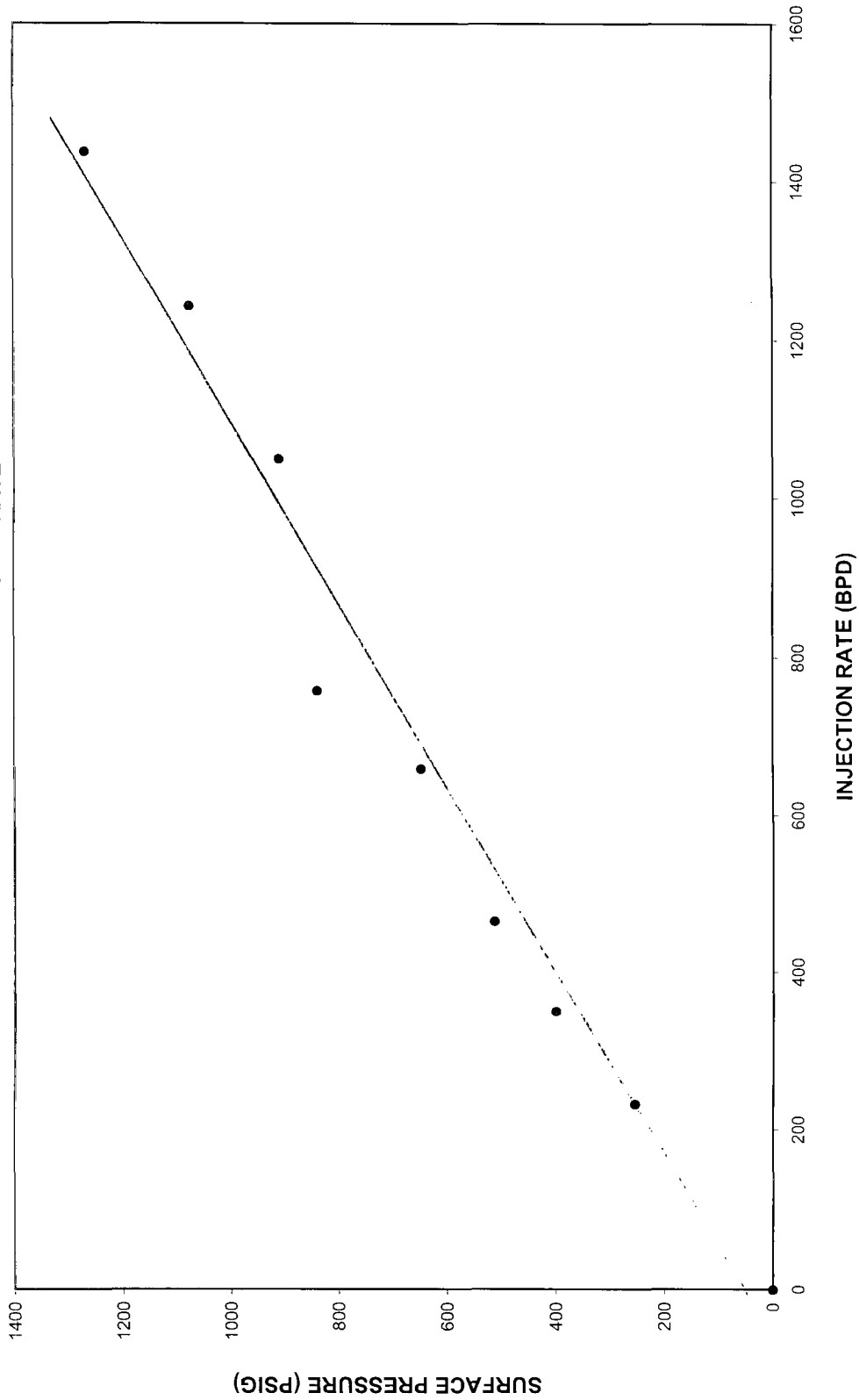
ARC **PRESSURE DATA** INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 30

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB #: 51241
 TEST DATE: 10/30/01 - 10/30/01

STEP-RATE TEST - WHP VS. INJECTION RATE



ARC **PRESSURE DATA** INCORPORATED

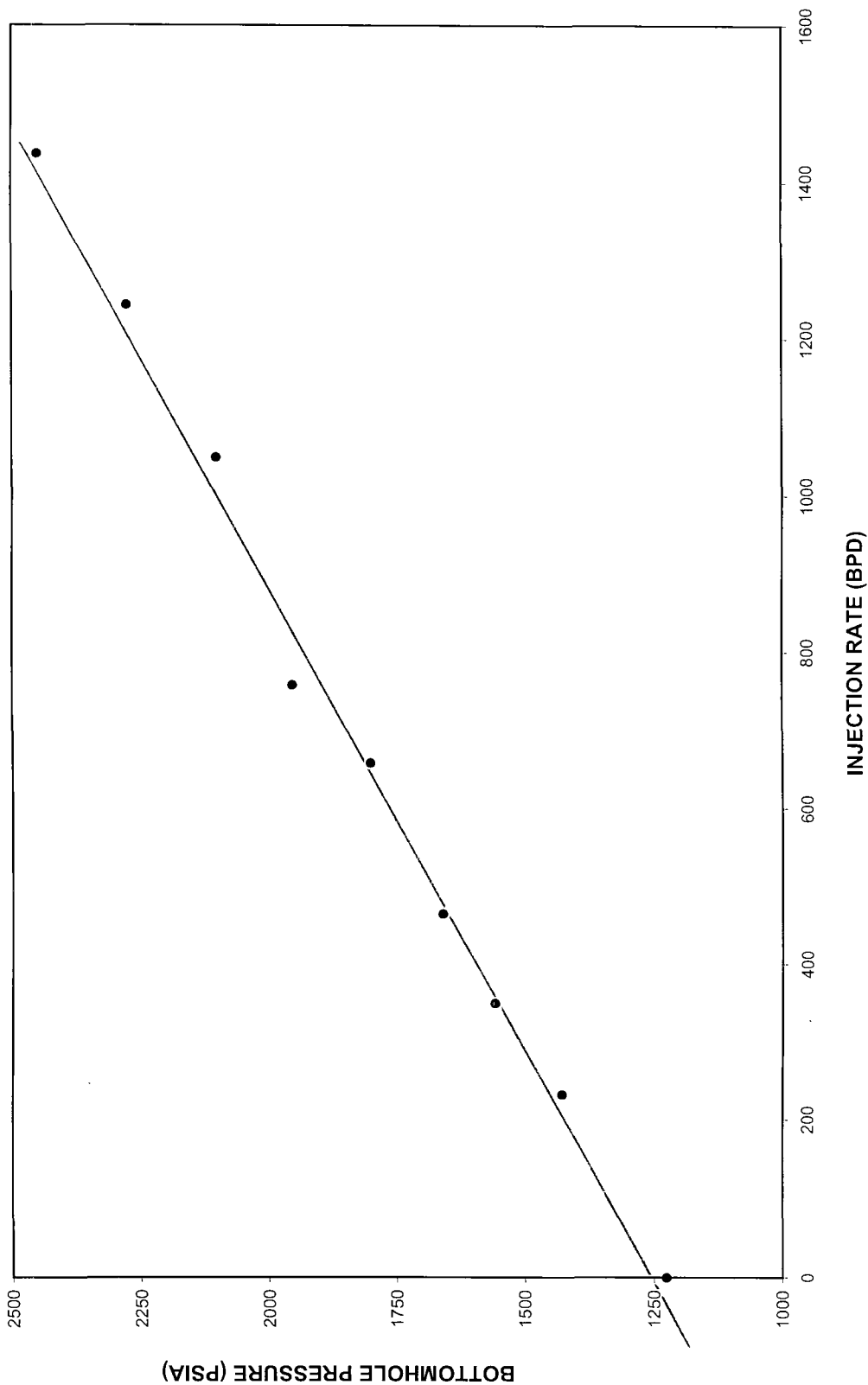
COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 30

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB # 51241
 TEST DATE: 10/30/01

10/30/01

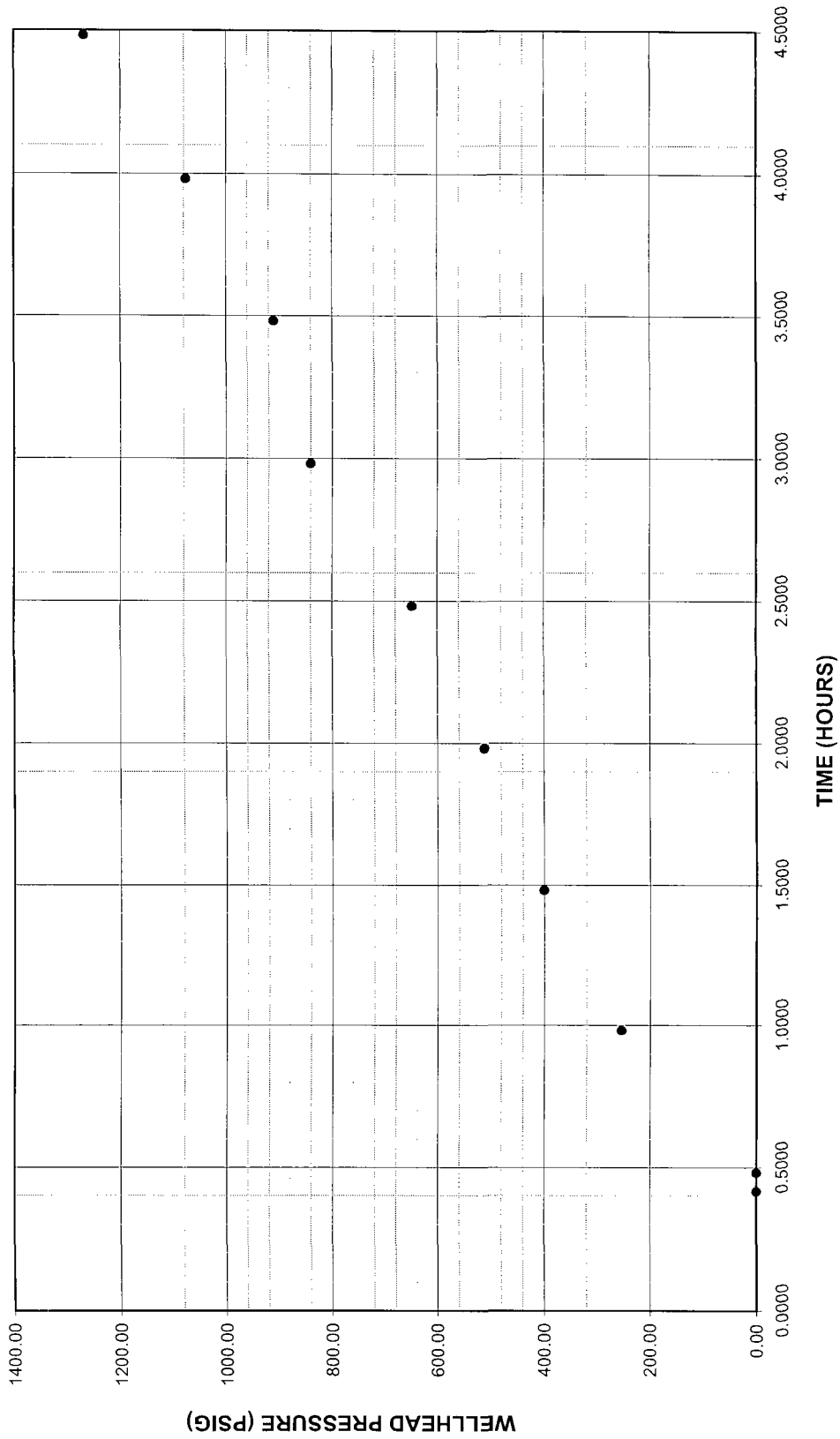
STEP-RATE TEST - BHP VS. INJECTION RATE





COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB # 51241
LEASE: TUSAU COUNTY: CHAVES TEST DATE: 10/30/01
WELL NUMBER: 30 STATE: NM

WELLHEAD PRESSURE VS TIME



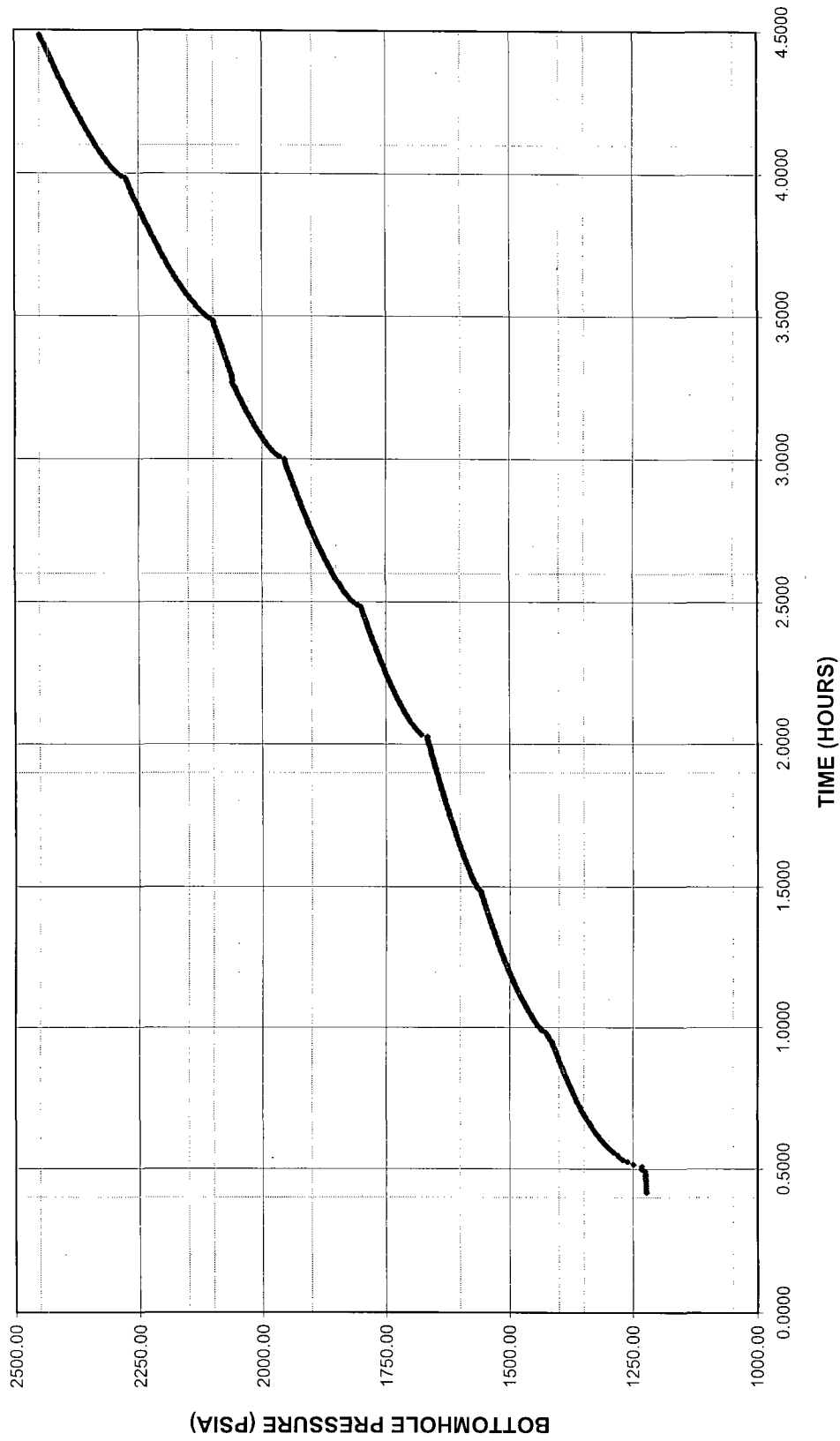


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TUSAU
WELL NUMBER: 30

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51241
TEST DATE: 10/30/01

BHP VS TIME

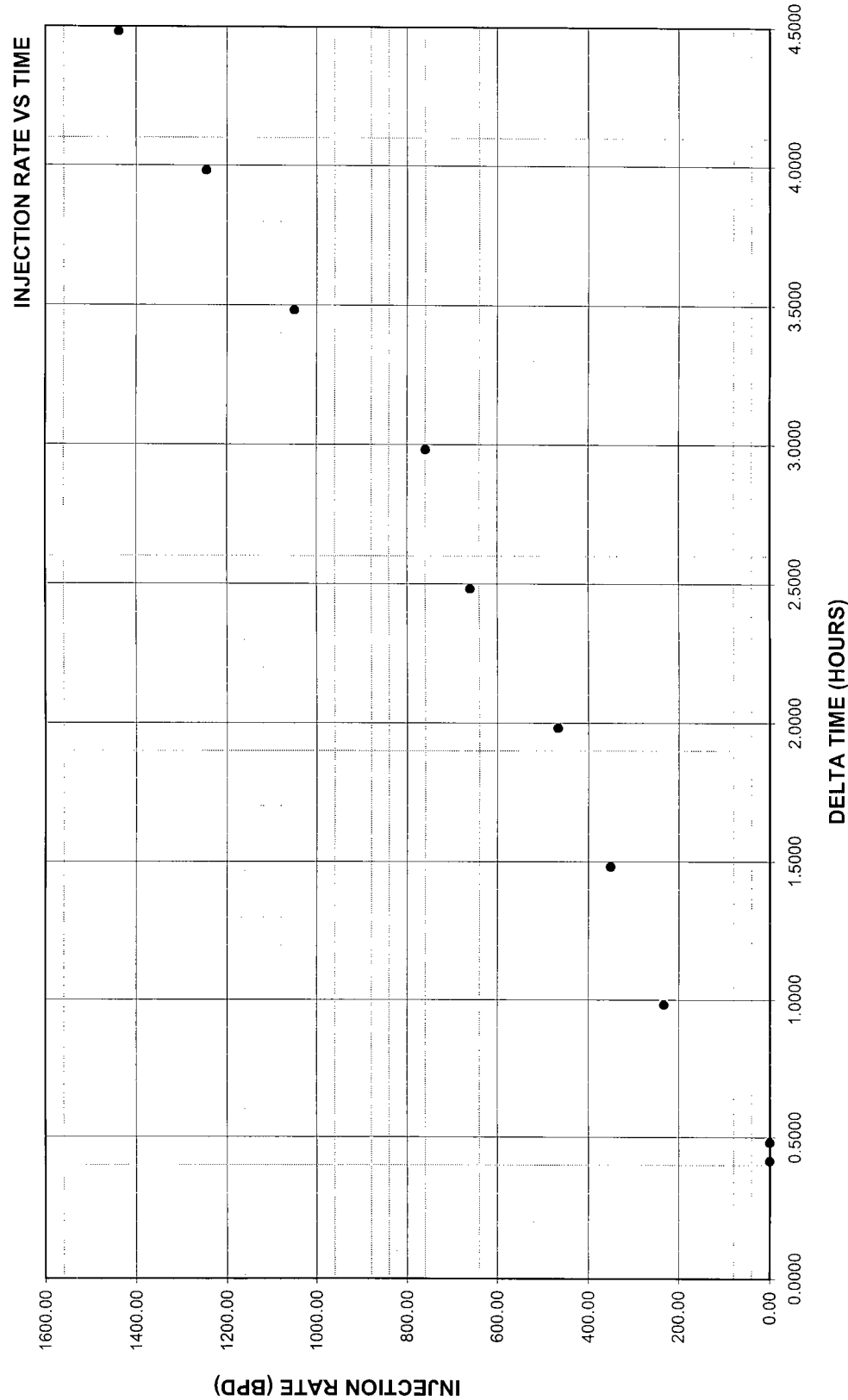


ARC **PRESSURE DATA** **INCORPORATED**

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 30

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB # 51241
 TEST DATE: 10/30/01 - 10/30/01



ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 30
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/30/01 - 10/30/01
 RUN DEPTH: 2678
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 51241
10/30/01 09:26:00 AM	0.4167	1223.62	0.00	0.00	
10/30/01 09:30:00 AM	0.4833	1225.25	0.00	0.00	
10/30/01 10:00:00 AM	0.9833	1427.59	254.00	233.00	
10/30/01 10:30:00 AM	1.4833	1558.38	400.00	350.00	
10/30/01 11:00:00 AM	1.9833	1660.74	512.00	466.00	
10/30/01 11:30:00 AM	2.4833	1800.62	648.00	660.00	
10/30/01 12:00:00 PM	2.9833	1952.80	840.00	759.00	
10/30/01 12:30:00 PM	3.4833	2101.18	910.00	1050.00	
10/30/01 01:00:00 PM	3.9833	2275.80	1076.00	1244.00	
10/30/01 01:30:00 PM	4.4833	2449.13	1268.00	1438.00	

ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 30
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/30/01 - 10/30/01
 RUN DEPTH: 2678
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
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10/30/01 8:30:00 AM			ON LOCATION
10/30/01 9:01:00 AM			START GAUGE V-90
10/30/01 9:26:00 AM			ON BOTTOM W/ GAUGES @ 2678'
10/30/01 9:26:00 AM	0.4167	1223.62	
10/30/01 9:26:30 AM	0.4250	1224.18	
10/30/01 9:27:00 AM	0.4333	1224.49	
10/30/01 9:27:30 AM	0.4417	1224.66	
10/30/01 9:28:00 AM	0.4500	1224.76	
10/30/01 9:28:30 AM	0.4583	1224.84	
10/30/01 9:29:00 AM	0.4667	1225.29	
10/30/01 9:29:30 AM	0.4750	1225.27	
10/30/01 9:30:00 AM	0.4833	1225.25	
10/30/01 9:30:01 AM			START 1ST RATE @ 233 BPD
10/30/01 9:30:30 AM	0.4917	1226.69	
10/30/01 9:31:00 AM	0.5000	1234.69	
10/30/01 9:31:30 AM	0.5083	1233.12	
10/30/01 9:32:00 AM	0.5167	1250.28	
10/30/01 9:32:30 AM	0.5250	1262.21	
10/30/01 9:33:00 AM	0.5333	1271.80	
10/30/01 9:33:30 AM	0.5417	1279.60	
10/30/01 9:34:00 AM	0.5500	1282.16	
10/30/01 9:34:30 AM	0.5583	1289.75	
10/30/01 9:35:00 AM	0.5667	1295.70	
10/30/01 9:35:30 AM	0.5750	1301.03	
10/30/01 9:36:00 AM	0.5833	1305.78	
10/30/01 9:36:30 AM	0.5917	1310.16	
10/30/01 9:37:00 AM	0.6000	1314.30	
10/30/01 9:37:30 AM	0.6083	1318.30	
10/30/01 9:38:00 AM	0.6167	1321.75	
10/30/01 9:38:30 AM	0.6250	1325.45	
10/30/01 9:39:00 AM	0.6333	1328.70	
10/30/01 9:39:30 AM	0.6417	1332.06	
10/30/01 9:40:00 AM	0.6500	1335.15	
10/30/01 9:40:30 AM	0.6583	1338.13	
10/30/01 9:41:00 AM	0.6667	1341.13	
10/30/01 9:41:30 AM	0.6750	1343.94	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 9:42:00 AM	0.6833	1346.70	
10/30/01 9:42:30 AM	0.6917	1349.55	
10/30/01 9:43:00 AM	0.7000	1351.97	
10/30/01 9:43:30 AM	0.7083	1354.76	
10/30/01 9:44:00 AM	0.7167	1357.16	
10/30/01 9:44:30 AM	0.7250	1359.61	
10/30/01 9:45:00 AM	0.7333	1362.17	
10/30/01 9:45:01 AM			CONTINUE 1ST RATE
10/30/01 9:45:30 AM	0.7417	1364.55	
10/30/01 9:46:00 AM	0.7500	1366.96	
10/30/01 9:46:30 AM	0.7583	1369.31	
10/30/01 9:47:00 AM	0.7667	1371.50	
10/30/01 9:47:30 AM	0.7750	1373.75	
10/30/01 9:48:00 AM	0.7833	1375.92	
10/30/01 9:48:30 AM	0.7917	1378.02	
10/30/01 9:49:00 AM	0.8000	1380.27	
10/30/01 9:49:30 AM	0.8083	1382.20	
10/30/01 9:50:00 AM	0.8167	1384.24	
10/30/01 9:50:30 AM	0.8250	1386.32	
10/30/01 9:51:00 AM	0.8333	1388.18	
10/30/01 9:51:30 AM	0.8417	1390.40	
10/30/01 9:52:00 AM	0.8500	1392.08	
10/30/01 9:52:30 AM	0.8583	1394.15	
10/30/01 9:53:00 AM	0.8667	1395.97	
10/30/01 9:53:30 AM	0.8750	1397.70	
10/30/01 9:54:00 AM	0.8833	1399.93	
10/30/01 9:54:30 AM	0.8917	1401.56	
10/30/01 9:55:00 AM	0.9000	1403.72	
10/30/01 9:55:30 AM	0.9083	1405.47	
10/30/01 9:56:00 AM	0.9167	1407.27	
10/30/01 9:56:30 AM	0.9250	1409.16	
10/30/01 9:57:00 AM	0.9333	1410.89	
10/30/01 9:57:30 AM	0.9417	1412.79	
10/30/01 9:58:00 AM	0.9500	1414.54	
10/30/01 9:58:30 AM	0.9583	1419.05	
10/30/01 9:59:00 AM	0.9667	1421.69	
10/30/01 9:59:30 AM	0.9750	1424.05	
10/30/01 10:00:00 AM	0.9833	1427.59	
10/30/01 10:00:01 AM			END 1ST RATE, START 2ND RATE @ 350 BPD
10/30/01 10:00:30 AM	0.9917	1434.94	
10/30/01 10:01:00 AM	1.0000	1439.45	
10/30/01 10:01:30 AM	1.0083	1443.21	
10/30/01 10:02:00 AM	1.0167	1446.89	
10/30/01 10:02:30 AM	1.0250	1450.17	
10/30/01 10:03:00 AM	1.0333	1453.03	
10/30/01 10:03:30 AM	1.0417	1455.91	
10/30/01 10:04:00 AM	1.0500	1458.81	
10/30/01 10:04:30 AM	1.0583	1461.42	
10/30/01 10:05:00 AM	1.0667	1464.11	
10/30/01 10:05:30 AM	1.0750	1466.71	
10/30/01 10:06:00 AM	1.0833	1469.22	
10/30/01 10:06:30 AM	1.0917	1471.83	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 10:07:00 AM	1.1000	1474.38	
10/30/01 10:07:30 AM	1.1083	1476.71	
10/30/01 10:08:00 AM	1.1167	1478.90	
10/30/01 10:08:30 AM	1.1250	1481.23	
10/30/01 10:09:00 AM	1.1333	1483.47	
10/30/01 10:09:30 AM	1.1417	1485.60	
10/30/01 10:10:00 AM	1.1500	1487.72	
10/30/01 10:10:30 AM	1.1583	1490.02	
10/30/01 10:11:00 AM	1.1667	1492.07	
10/30/01 10:11:30 AM	1.1750	1494.10	
10/30/01 10:12:00 AM	1.1833	1496.36	
10/30/01 10:12:30 AM	1.1917	1498.40	
10/30/01 10:13:00 AM	1.2000	1500.28	
10/30/01 10:13:30 AM	1.2083	1502.38	
10/30/01 10:14:00 AM	1.2167	1504.37	
10/30/01 10:14:30 AM	1.2250	1506.16	
10/30/01 10:15:00 AM	1.2333	1508.10	
10/30/01 10:15:01 AM			CONTINUE 2ND RATE
10/30/01 10:15:30 AM	1.2417	1510.08	
10/30/01 10:16:00 AM	1.2500	1511.90	
10/30/01 10:16:30 AM	1.2583	1513.68	
10/30/01 10:17:00 AM	1.2667	1515.68	
10/30/01 10:17:30 AM	1.2750	1517.53	
10/30/01 10:18:00 AM	1.2833	1519.18	
10/30/01 10:18:30 AM	1.2917	1521.09	
10/30/01 10:19:00 AM	1.3000	1522.95	
10/30/01 10:19:30 AM	1.3083	1524.51	
10/30/01 10:20:00 AM	1.3167	1526.23	
10/30/01 10:20:30 AM	1.3250	1528.13	
10/30/01 10:21:00 AM	1.3333	1529.75	
10/30/01 10:21:30 AM	1.3417	1531.35	
10/30/01 10:22:00 AM	1.3500	1533.23	
10/30/01 10:22:30 AM	1.3583	1534.97	
10/30/01 10:23:00 AM	1.3667	1536.44	
10/30/01 10:23:30 AM	1.3750	1538.17	
10/30/01 10:24:00 AM	1.3833	1539.91	
10/30/01 10:24:30 AM	1.3917	1541.33	
10/30/01 10:25:00 AM	1.4000	1542.91	
10/30/01 10:25:30 AM	1.4083	1544.73	
10/30/01 10:26:00 AM	1.4167	1546.12	
10/30/01 10:26:30 AM	1.4250	1547.67	
10/30/01 10:27:00 AM	1.4333	1549.42	
10/30/01 10:27:30 AM	1.4417	1551.02	
10/30/01 10:28:00 AM	1.4500	1552.13	
10/30/01 10:28:30 AM	1.4583	1553.93	
10/30/01 10:29:00 AM	1.4667	1555.63	
10/30/01 10:29:30 AM	1.4750	1556.91	
10/30/01 10:30:00 AM	1.4833	1558.38	
10/30/01 10:30:01 AM			END 2ND RATE, START 3RD RATE @ 466 BPD
10/30/01 10:30:30 AM	1.4917	1561.70	
10/30/01 10:31:00 AM	1.5000	1566.07	
10/30/01 10:31:30 AM	1.5083	1568.73	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 10:32:00 AM	1.5167	1571.55	
10/30/01 10:32:30 AM	1.5250	1573.82	
10/30/01 10:33:00 AM	1.5333	1575.82	
10/30/01 10:33:30 AM	1.5417	1577.95	
10/30/01 10:34:00 AM	1.5500	1580.07	
10/30/01 10:34:30 AM	1.5583	1581.94	
10/30/01 10:35:00 AM	1.5667	1583.94	
10/30/01 10:35:30 AM	1.5750	1585.99	
10/30/01 10:36:00 AM	1.5833	1587.68	
10/30/01 10:36:30 AM	1.5917	1589.58	
10/30/01 10:37:00 AM	1.6000	1591.59	
10/30/01 10:37:30 AM	1.6083	1593.15	
10/30/01 10:38:00 AM	1.6167	1595.00	
10/30/01 10:38:30 AM	1.6250	1596.87	
10/30/01 10:39:00 AM	1.6333	1598.42	
10/30/01 10:39:30 AM	1.6417	1600.10	
10/30/01 10:40:00 AM	1.6500	1602.02	
10/30/01 10:40:30 AM	1.6583	1603.30	
10/30/01 10:41:00 AM	1.6667	1605.13	
10/30/01 10:41:30 AM	1.6750	1607.04	
10/30/01 10:42:00 AM	1.6833	1608.47	
10/30/01 10:42:30 AM	1.6917	1610.06	
10/30/01 10:43:00 AM	1.7000	1611.91	
10/30/01 10:43:30 AM	1.7083	1613.28	
10/30/01 10:44:00 AM	1.7167	1614.86	
10/30/01 10:44:30 AM	1.7250	1616.65	
10/30/01 10:45:00 AM	1.7333	1618.00	
10/30/01 10:45:01 AM			CONTINUE 3RD RATE
10/30/01 10:45:30 AM	1.7417	1619.49	
10/30/01 10:46:00 AM	1.7500	1621.20	
10/30/01 10:46:30 AM	1.7583	1622.54	
10/30/01 10:47:00 AM	1.7667	1624.03	
10/30/01 10:47:30 AM	1.7750	1625.87	
10/30/01 10:48:00 AM	1.7833	1627.11	
10/30/01 10:48:30 AM	1.7917	1628.65	
10/30/01 10:49:00 AM	1.8000	1630.37	
10/30/01 10:49:30 AM	1.8083	1631.58	
10/30/01 10:50:00 AM	1.8167	1633.01	
10/30/01 10:50:30 AM	1.8250	1634.79	
10/30/01 10:51:00 AM	1.8333	1635.95	
10/30/01 10:51:30 AM	1.8417	1637.35	
10/30/01 10:52:00 AM	1.8500	1639.03	
10/30/01 10:52:30 AM	1.8583	1640.27	
10/30/01 10:53:00 AM	1.8667	1641.63	
10/30/01 10:53:30 AM	1.8750	1643.30	
10/30/01 10:54:00 AM	1.8833	1644.21	
10/30/01 10:54:30 AM	1.8917	1645.66	
10/30/01 10:55:00 AM	1.9000	1647.43	
10/30/01 10:55:30 AM	1.9083	1648.62	
10/30/01 10:56:00 AM	1.9167	1649.90	
10/30/01 10:56:30 AM	1.9250	1651.57	
10/30/01 10:57:00 AM	1.9333	1652.69	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 10:57:30 AM	1.9417	1653.92	
10/30/01 10:58:00 AM	1.9500	1655.55	
10/30/01 10:58:30 AM	1.9583	1656.76	
10/30/01 10:59:00 AM	1.9667	1657.96	
10/30/01 10:59:30 AM	1.9750	1659.61	
10/30/01 11:00:00 AM	1.9833	1660.74	
10/30/01 11:00:01 AM			END 3RD RATE, START 4TH RATE @ 660 BPD
10/30/01 11:00:30 AM	1.9917	1661.86	
10/30/01 11:01:00 AM	2.0000	1663.58	
10/30/01 11:01:30 AM	2.0083	1664.72	
10/30/01 11:02:00 AM	2.0167	1665.83	
10/30/01 11:02:30 AM	2.0250	1666.08	
10/30/01 11:03:00 AM	2.0333	1678.54	
10/30/01 11:03:30 AM	2.0417	1682.60	
10/30/01 11:04:00 AM	2.0500	1687.04	
10/30/01 11:04:30 AM	2.0583	1691.53	
10/30/01 11:05:00 AM	2.0667	1695.38	
10/30/01 11:05:30 AM	2.0750	1698.84	
10/30/01 11:06:00 AM	2.0833	1702.04	
10/30/01 11:06:30 AM	2.0917	1705.04	
10/30/01 11:07:00 AM	2.1000	1708.05	
10/30/01 11:07:30 AM	2.1083	1710.65	
10/30/01 11:08:00 AM	2.1167	1713.45	
10/30/01 11:08:30 AM	2.1250	1715.94	
10/30/01 11:09:00 AM	2.1333	1718.61	
10/30/01 11:09:30 AM	2.1417	1721.02	
10/30/01 11:10:00 AM	2.1500	1723.42	
10/30/01 11:10:30 AM	2.1583	1725.93	
10/30/01 11:11:00 AM	2.1667	1728.16	
10/30/01 11:11:30 AM	2.1750	1730.47	
10/30/01 11:12:00 AM	2.1833	1732.66	
10/30/01 11:12:30 AM	2.1917	1735.07	
10/30/01 11:13:00 AM	2.2000	1737.03	
10/30/01 11:13:30 AM	2.2083	1739.36	
10/30/01 11:14:00 AM	2.2167	1741.46	
10/30/01 11:14:30 AM	2.2250	1743.58	
10/30/01 11:15:00 AM	2.2333	1745.62	
10/30/01 11:15:01 AM			CONTINUE 4TH RATE
10/30/01 11:15:30 AM	2.2417	1747.66	
10/30/01 11:16:00 AM	2.2500	1749.82	
10/30/01 11:16:30 AM	2.2583	1751.71	
10/30/01 11:17:00 AM	2.2667	1753.76	
10/30/01 11:17:30 AM	2.2750	1755.75	
10/30/01 11:18:00 AM	2.2833	1757.77	
10/30/01 11:18:30 AM	2.2917	1759.48	
10/30/01 11:19:00 AM	2.3000	1761.64	
10/30/01 11:19:30 AM	2.3083	1763.45	
10/30/01 11:20:00 AM	2.3167	1765.18	
10/30/01 11:20:30 AM	2.3250	1767.33	
10/30/01 11:21:00 AM	2.3333	1769.19	
10/30/01 11:21:30 AM	2.3417	1771.03	
10/30/01 11:22:00 AM	2.3500	1772.74	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 11:22:30 AM	2.3583	1774.72	
10/30/01 11:23:00 AM	2.3667	1776.46	
10/30/01 11:23:30 AM	2.3750	1778.31	
10/30/01 11:24:00 AM	2.3833	1779.89	
10/30/01 11:24:30 AM	2.3917	1781.91	
10/30/01 11:25:00 AM	2.4000	1783.55	
10/30/01 11:25:30 AM	2.4083	1785.15	
10/30/01 11:26:00 AM	2.4167	1787.12	
10/30/01 11:26:30 AM	2.4250	1788.79	
10/30/01 11:27:00 AM	2.4333	1790.46	
10/30/01 11:27:30 AM	2.4417	1792.03	
10/30/01 11:28:00 AM	2.4500	1793.93	
10/30/01 11:28:30 AM	2.4583	1795.56	
10/30/01 11:29:00 AM	2.4667	1797.27	
10/30/01 11:29:30 AM	2.4750	1798.80	
10/30/01 11:30:00 AM	2.4833	1800.62	
10/30/01 11:30:01 AM			END 4TH RATE, START 5TH RATE @ 759 BPD
10/30/01 11:30:30 AM	2.4917	1808.34	
10/30/01 11:31:00 AM	2.5000	1815.60	
10/30/01 11:31:30 AM	2.5083	1820.79	
10/30/01 11:32:00 AM	2.5167	1825.15	
10/30/01 11:32:30 AM	2.5250	1829.04	
10/30/01 11:33:00 AM	2.5333	1832.56	
10/30/01 11:33:30 AM	2.5417	1835.90	
10/30/01 11:34:00 AM	2.5500	1839.16	
10/30/01 11:34:30 AM	2.5583	1842.25	
10/30/01 11:35:00 AM	2.5667	1845.25	
10/30/01 11:35:30 AM	2.5750	1848.19	
10/30/01 11:36:00 AM	2.5833	1851.10	
10/30/01 11:36:30 AM	2.5917	1853.67	
10/30/01 11:37:00 AM	2.6000	1856.37	
10/30/01 11:37:30 AM	2.6083	1859.05	
10/30/01 11:38:00 AM	2.6167	1861.55	
10/30/01 11:38:30 AM	2.6250	1864.08	
10/30/01 11:39:00 AM	2.6333	1866.68	
10/30/01 11:39:30 AM	2.6417	1869.22	
10/30/01 11:40:00 AM	2.6500	1871.61	
10/30/01 11:40:30 AM	2.6583	1874.05	
10/30/01 11:41:00 AM	2.6667	1876.43	
10/30/01 11:41:30 AM	2.6750	1878.73	
10/30/01 11:42:00 AM	2.6833	1881.03	
10/30/01 11:42:30 AM	2.6917	1883.33	
10/30/01 11:43:00 AM	2.7000	1885.59	
10/30/01 11:43:30 AM	2.7083	1887.84	
10/30/01 11:44:00 AM	2.7167	1890.09	
10/30/01 11:44:30 AM	2.7250	1892.33	
10/30/01 11:45:00 AM	2.7333	1894.41	
10/30/01 11:45:01 AM			CONTINUE 5TH RATE
10/30/01 11:45:30 AM	2.7417	1896.54	
10/30/01 11:46:00 AM	2.7500	1898.70	
10/30/01 11:46:30 AM	2.7583	1900.79	
10/30/01 11:47:00 AM	2.7667	1902.88	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
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10/30/01 11:47:30 AM	2.7750	1905.03
10/30/01 11:48:00 AM	2.7833	1907.12
10/30/01 11:48:30 AM	2.7917	1909.08
10/30/01 11:49:00 AM	2.8000	1911.11
10/30/01 11:49:30 AM	2.8083	1913.20
10/30/01 11:50:00 AM	2.8167	1915.17
10/30/01 11:50:30 AM	2.8250	1917.08
10/30/01 11:51:00 AM	2.8333	1919.18
10/30/01 11:51:30 AM	2.8417	1921.18
10/30/01 11:52:00 AM	2.8500	1923.02
10/30/01 11:52:30 AM	2.8583	1924.98
10/30/01 11:53:00 AM	2.8667	1926.96
10/30/01 11:53:30 AM	2.8750	1928.82
10/30/01 11:54:00 AM	2.8833	1930.60
10/30/01 11:54:30 AM	2.8917	1932.61
10/30/01 11:55:00 AM	2.9000	1934.53
10/30/01 11:55:30 AM	2.9083	1936.35
10/30/01 11:56:00 AM	2.9167	1938.15
10/30/01 11:56:30 AM	2.9250	1939.99
10/30/01 11:57:00 AM	2.9333	1941.84
10/30/01 11:57:30 AM	2.9417	1943.69
10/30/01 11:58:00 AM	2.9500	1945.66
10/30/01 11:58:30 AM	2.9583	1947.47
10/30/01 11:59:00 AM	2.9667	1949.21
10/30/01 11:59:30 AM	2.9750	1951.02
10/30/01 12:00:00 PM	2.9833	1952.80
10/30/01 12:00:01 PM		END 5TH RATE, START 6TH RATE @ 1050 BPD
10/30/01 12:00:30 PM	2.9917	1954.45
10/30/01 12:01:00 PM	3.0000	1955.52
10/30/01 12:01:30 PM	3.0083	1965.87
10/30/01 12:02:00 PM	3.0167	1972.51
10/30/01 12:02:30 PM	3.0250	1977.77
10/30/01 12:03:00 PM	3.0333	1982.32
10/30/01 12:03:30 PM	3.0417	1986.38
10/30/01 12:04:00 PM	3.0500	1990.43
10/30/01 12:04:30 PM	3.0583	1994.12
10/30/01 12:05:00 PM	3.0667	1997.58
10/30/01 12:05:30 PM	3.0750	2000.89
10/30/01 12:06:00 PM	3.0833	2004.12
10/30/01 12:06:30 PM	3.0917	2007.23
10/30/01 12:07:00 PM	3.1000	2010.10
10/30/01 12:07:30 PM	3.1083	2013.10
10/30/01 12:08:00 PM	3.1167	2016.02
10/30/01 12:08:30 PM	3.1250	2018.79
10/30/01 12:09:00 PM	3.1333	2021.63
10/30/01 12:09:30 PM	3.1417	2024.46
10/30/01 12:10:00 PM	3.1500	2027.14
10/30/01 12:10:30 PM	3.1583	2029.73
10/30/01 12:11:00 PM	3.1667	2032.39
10/30/01 12:11:30 PM	3.1750	2035.02
10/30/01 12:12:00 PM	3.1833	2037.49
10/30/01 12:12:30 PM	3.1917	2039.97

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 12:13:00 PM	3.2000	2042.38	
10/30/01 12:13:30 PM	3.2083	2044.99	
10/30/01 12:14:00 PM	3.2167	2047.35	
10/30/01 12:14:30 PM	3.2250	2049.77	
10/30/01 12:15:00 PM	3.2333	2051.75	
10/30/01 12:15:01 PM			CONTINUE 6TH RATE
10/30/01 12:15:30 PM	3.2417	2054.35	
10/30/01 12:16:00 PM	3.2500	2056.90	
10/30/01 12:16:30 PM	3.2583	2059.29	
10/30/01 12:17:00 PM	3.2667	2061.41	
10/30/01 12:17:30 PM	3.2750	2061.33	
10/30/01 12:18:00 PM	3.2833	2061.78	
10/30/01 12:18:30 PM	3.2917	2062.94	
10/30/01 12:19:00 PM	3.3000	2064.34	
10/30/01 12:19:30 PM	3.3083	2065.80	
10/30/01 12:20:00 PM	3.3167	2067.45	
10/30/01 12:20:30 PM	3.3250	2069.01	
10/30/01 12:21:00 PM	3.3333	2070.79	
10/30/01 12:21:30 PM	3.3417	2072.53	
10/30/01 12:22:00 PM	3.3500	2074.40	
10/30/01 12:22:30 PM	3.3583	2076.07	
10/30/01 12:23:00 PM	3.3667	2077.89	
10/30/01 12:23:30 PM	3.3750	2079.60	
10/30/01 12:24:00 PM	3.3833	2081.06	
10/30/01 12:24:30 PM	3.3917	2082.74	
10/30/01 12:25:00 PM	3.4000	2084.44	
10/30/01 12:25:30 PM	3.4083	2086.19	
10/30/01 12:26:00 PM	3.4167	2087.85	
10/30/01 12:26:30 PM	3.4250	2089.51	
10/30/01 12:27:00 PM	3.4333	2091.28	
10/30/01 12:27:30 PM	3.4417	2092.95	
10/30/01 12:28:00 PM	3.4500	2094.61	
10/30/01 12:28:30 PM	3.4583	2096.31	
10/30/01 12:29:00 PM	3.4667	2098.04	
10/30/01 12:29:30 PM	3.4750	2099.67	
10/30/01 12:30:00 PM	3.4833	2101.18	
10/30/01 12:30:01 PM			END 6TH RATE, START 7TH RATE @ 1244 BPD
10/30/01 12:30:30 PM	3.4917	2108.69	
10/30/01 12:31:00 PM	3.5000	2115.18	
10/30/01 12:31:30 PM	3.5083	2119.99	
10/30/01 12:32:00 PM	3.5167	2124.30	
10/30/01 12:32:30 PM	3.5250	2128.52	
10/30/01 12:33:00 PM	3.5333	2132.71	
10/30/01 12:33:30 PM	3.5417	2136.51	
10/30/01 12:34:00 PM	3.5500	2139.99	
10/30/01 12:34:30 PM	3.5583	2144.83	
10/30/01 12:35:00 PM	3.5667	2148.72	
10/30/01 12:35:30 PM	3.5750	2152.35	
10/30/01 12:36:00 PM	3.5833	2155.86	
10/30/01 12:36:30 PM	3.5917	2159.27	
10/30/01 12:37:00 PM	3.6000	2162.50	
10/30/01 12:37:30 PM	3.6083	2165.75	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
10/30/01 12:38:00 PM	3.6167	2168.79	
10/30/01 12:38:30 PM	3.6250	2171.99	
10/30/01 12:39:00 PM	3.6333	2175.06	
10/30/01 12:39:30 PM	3.6417	2178.04	
10/30/01 12:40:00 PM	3.6500	2181.05	
10/30/01 12:40:30 PM	3.6583	2183.85	
10/30/01 12:41:00 PM	3.6667	2186.68	
10/30/01 12:41:30 PM	3.6750	2189.34	
10/30/01 12:42:00 PM	3.6833	2192.11	
10/30/01 12:42:30 PM	3.6917	2194.65	
10/30/01 12:43:00 PM	3.7000	2197.22	
10/30/01 12:43:30 PM	3.7083	2199.83	
10/30/01 12:44:00 PM	3.7167	2202.26	
10/30/01 12:44:30 PM	3.7250	2204.91	
10/30/01 12:45:00 PM	3.7333	2207.32	
10/30/01 12:45:01 PM			CONTINUE 7TH RATE
10/30/01 12:45:30 PM	3.7417	2209.91	
10/30/01 12:46:00 PM	3.7500	2212.29	
10/30/01 12:46:30 PM	3.7583	2214.77	
10/30/01 12:47:00 PM	3.7667	2217.17	
10/30/01 12:47:30 PM	3.7750	2219.70	
10/30/01 12:48:00 PM	3.7833	2222.22	
10/30/01 12:48:30 PM	3.7917	2224.61	
10/30/01 12:49:00 PM	3.8000	2227.05	
10/30/01 12:49:30 PM	3.8083	2229.37	
10/30/01 12:50:00 PM	3.8167	2231.82	
10/30/01 12:50:30 PM	3.8250	2234.11	
10/30/01 12:51:00 PM	3.8333	2236.44	
10/30/01 12:51:30 PM	3.8417	2238.80	
10/30/01 12:52:00 PM	3.8500	2241.03	
10/30/01 12:52:30 PM	3.8583	2243.40	
10/30/01 12:53:00 PM	3.8667	2245.59	
10/30/01 12:53:30 PM	3.8750	2247.85	
10/30/01 12:54:00 PM	3.8833	2250.00	
10/30/01 12:54:30 PM	3.8917	2252.27	
10/30/01 12:55:00 PM	3.9000	2254.44	
10/30/01 12:55:30 PM	3.9083	2256.66	
10/30/01 12:56:00 PM	3.9167	2258.86	
10/30/01 12:56:30 PM	3.9250	2260.98	
10/30/01 12:57:00 PM	3.9333	2263.16	
10/30/01 12:57:30 PM	3.9417	2265.25	
10/30/01 12:58:00 PM	3.9500	2267.49	
10/30/01 12:58:30 PM	3.9583	2269.51	
10/30/01 12:59:00 PM	3.9667	2271.71	
10/30/01 12:59:30 PM	3.9750	2273.75	
10/30/01 1:00:00 PM	3.9833	2275.80	
10/30/01 1:00:01 PM			END 7TH RATE, START 8TH RATE @ 1438 BPD
10/30/01 1:00:30 PM	3.9917	2283.72	
10/30/01 1:01:00 PM	4.0000	2291.38	
10/30/01 1:01:30 PM	4.0083	2296.54	
10/30/01 1:02:00 PM	4.0167	2301.14	
10/30/01 1:02:30 PM	4.0250	2305.59	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
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10/30/01 1:03:00 PM	4.0333	2309.60	
10/30/01 1:03:30 PM	4.0417	2313.30	
10/30/01 1:04:00 PM	4.0500	2316.91	
10/30/01 1:04:30 PM	4.0583	2320.55	
10/30/01 1:05:00 PM	4.0667	2323.84	
10/30/01 1:05:30 PM	4.0750	2327.18	
10/30/01 1:06:00 PM	4.0833	2330.37	
10/30/01 1:06:30 PM	4.0917	2333.47	
10/30/01 1:07:00 PM	4.1000	2336.65	
10/30/01 1:07:30 PM	4.1083	2339.58	
10/30/01 1:08:00 PM	4.1167	2342.68	
10/30/01 1:08:30 PM	4.1250	2345.50	
10/30/01 1:09:00 PM	4.1333	2348.40	
10/30/01 1:09:30 PM	4.1417	2351.29	
10/30/01 1:10:00 PM	4.1500	2354.17	
10/30/01 1:10:30 PM	4.1583	2357.04	
10/30/01 1:11:00 PM	4.1667	2359.74	
10/30/01 1:11:30 PM	4.1750	2362.54	
10/30/01 1:12:00 PM	4.1833	2365.14	
10/30/01 1:12:30 PM	4.1917	2367.80	
10/30/01 1:13:00 PM	4.2000	2370.42	
10/30/01 1:13:30 PM	4.2083	2373.10	
10/30/01 1:14:00 PM	4.2167	2375.68	
10/30/01 1:14:30 PM	4.2250	2378.32	
10/30/01 1:15:00 PM	4.2333	2380.96	
10/30/01 1:15:01 PM			CONTINUE 8TH RATE
10/30/01 1:15:30 PM	4.2417	2383.40	
10/30/01 1:16:00 PM	4.2500	2385.96	
10/30/01 1:16:30 PM	4.2583	2388.34	
10/30/01 1:17:00 PM	4.2667	2390.80	
10/30/01 1:17:30 PM	4.2750	2393.32	
10/30/01 1:18:00 PM	4.2833	2395.73	
10/30/01 1:18:30 PM	4.2917	2398.11	
10/30/01 1:19:00 PM	4.3000	2400.54	
10/30/01 1:19:30 PM	4.3083	2402.89	
10/30/01 1:20:00 PM	4.3167	2405.28	
10/30/01 1:20:30 PM	4.3250	2407.60	
10/30/01 1:21:00 PM	4.3333	2409.94	
10/30/01 1:21:30 PM	4.3417	2412.32	
10/30/01 1:22:00 PM	4.3500	2414.49	
10/30/01 1:22:30 PM	4.3583	2416.80	
10/30/01 1:23:00 PM	4.3667	2419.04	
10/30/01 1:23:30 PM	4.3750	2421.36	
10/30/01 1:24:00 PM	4.3833	2423.58	
10/30/01 1:24:30 PM	4.3917	2425.79	
10/30/01 1:25:00 PM	4.4000	2427.97	
10/30/01 1:25:30 PM	4.4083	2430.15	
10/30/01 1:26:00 PM	4.4167	2432.26	
10/30/01 1:26:30 PM	4.4250	2434.38	
10/30/01 1:27:00 PM	4.4333	2436.51	
10/30/01 1:27:30 PM	4.4417	2438.59	
10/30/01 1:28:00 PM	4.4500	2440.80	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51241
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10/30/01 1:28:30 PM	4.4583	2442.92	
10/30/01 1:29:00 PM	4.4667	2445.00	
10/30/01 1:29:30 PM	4.4750	2447.04	
10/30/01 1:30:00 PM	4.4833	2449.13	
10/30/01 1:30:01 PM			END 8TH RATE



OPERATIONS LOG

COMPANY: CONCHO OIL & GAS CORP.
LEASE: TLSAU # 32
FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
COUNTY: CHAVES
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: GREG WILKES
FIELD REP: JOHN THOMPSON
JOB RUN BY: JERRY McCULLOUGH
DATA PREPARED BY: JAMES MOOMAW
INSTRUMENT: V90

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51242B
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10/30/01 01:53:00 PM			START GAUGE #V-90
10/30/01 02:00:00 PM			ON LOCATION
10/30/01 02:20:00 PM	276		IN LUBRICATOR W/ GAUGES
10/30/01 02:30:00 PM	276		ON BOTTOM W/ GAUGES @ 2749'
10/30/01 02:44:30 PM	276		START 1ST RATE @ 272 BPD
10/30/01 03:00:00 PM	530		CONTINUE 1ST RATE
10/30/01 03:15:31 PM	576		START 2ND RATE @ 350 BPD
10/30/01 03:30:00 PM	650		CONTINUE 2ND RATE
10/30/01 03:45:31 PM	676		START 3RD RATE @ 466 BPD
10/30/01 04:00:00 PM	752		CONTINUE 3RD RATE
10/30/01 04:14:01 PM	780		START 4TH RATE @ 660 BPD
10/30/01 04:30:00 PM	880		CONTINUE 4TH RATE
10/30/01 04:45:01 PM	902		START 5TH RATE @ 855 BPD
10/30/01 05:00:00 PM	1016		CONTINUE 5TH RATE
10/30/01 05:14:30 PM	1050		START 6TH RATE @ 1050 BPD
10/30/01 05:30:00 PM	1160		CONTINUE 6TH RATE
10/30/01 05:44:01 PM	1220		END 6TH RATE

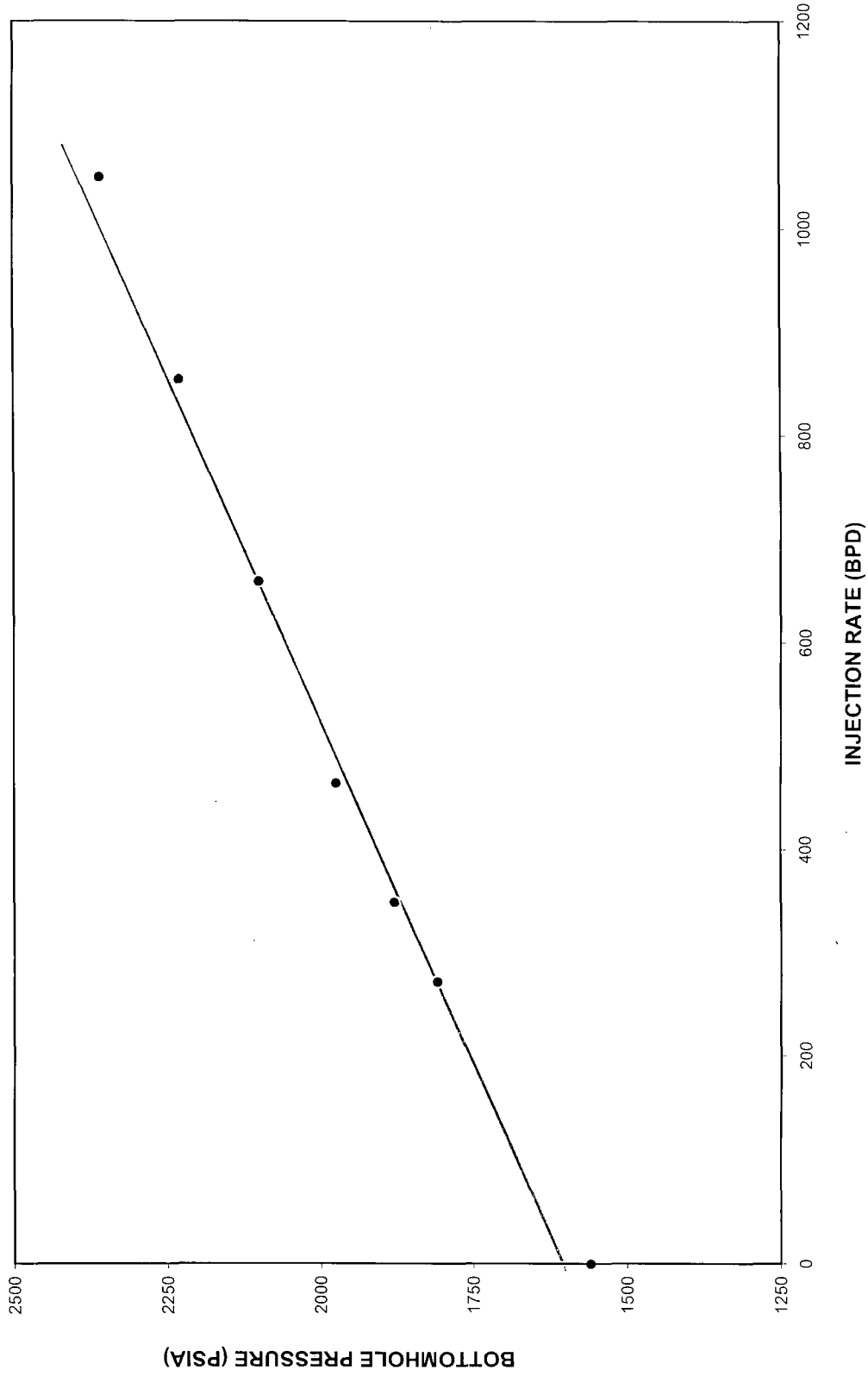
ARC **PRESSURE DATA** INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TILSAU
 WELL NUMBER: 32

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB #: 51242B
 TEST DATE: 10/30/01
 - 10/30/01

STEP-RATE TEST - BHP VS. INJECTION RATE



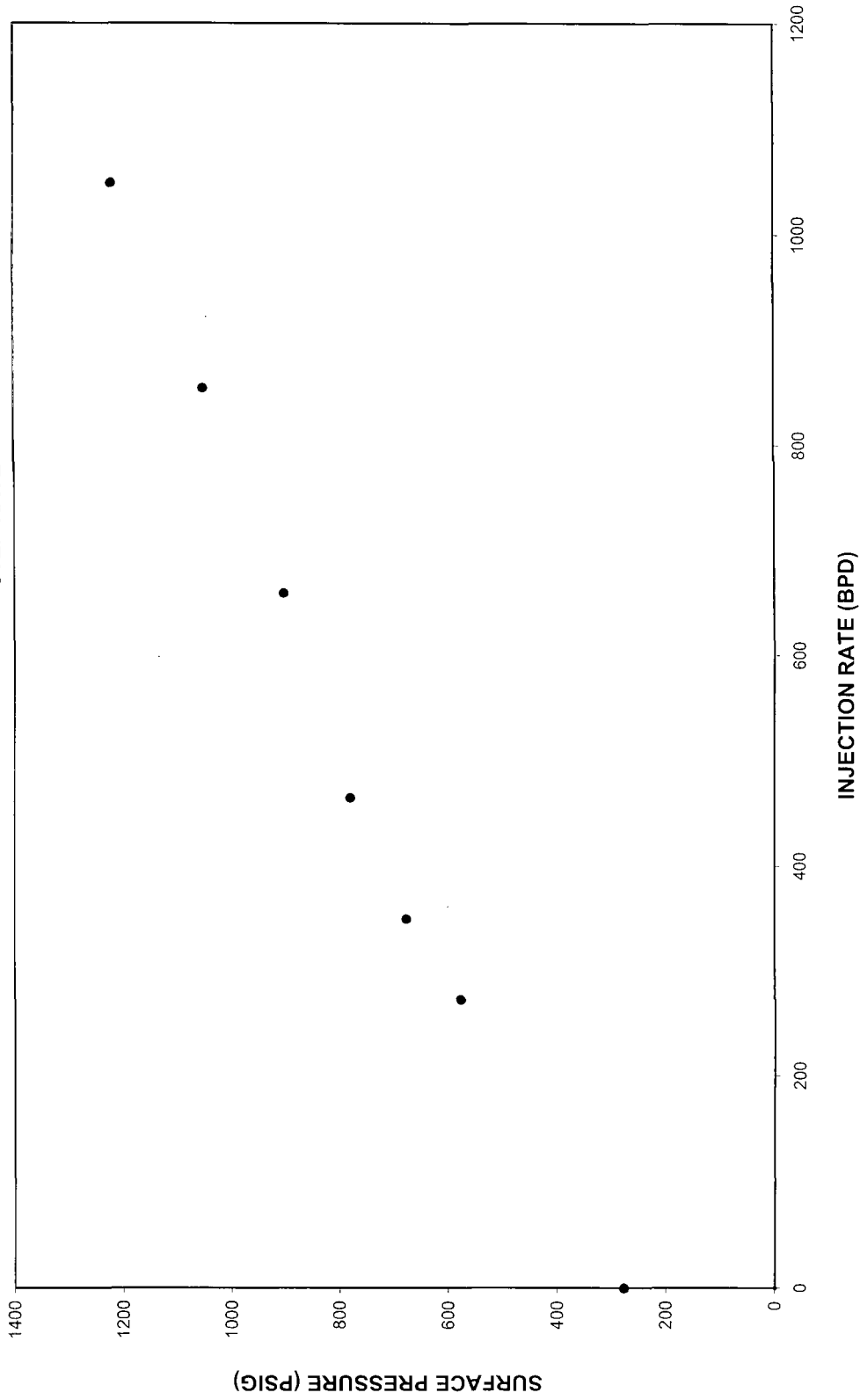


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TILSAU
WELL NUMBER: 32

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51242B
TEST DATE: 10/30/01 - 10/30/01

STEP-RATE TEST - WHP VS. INJECTION RATE



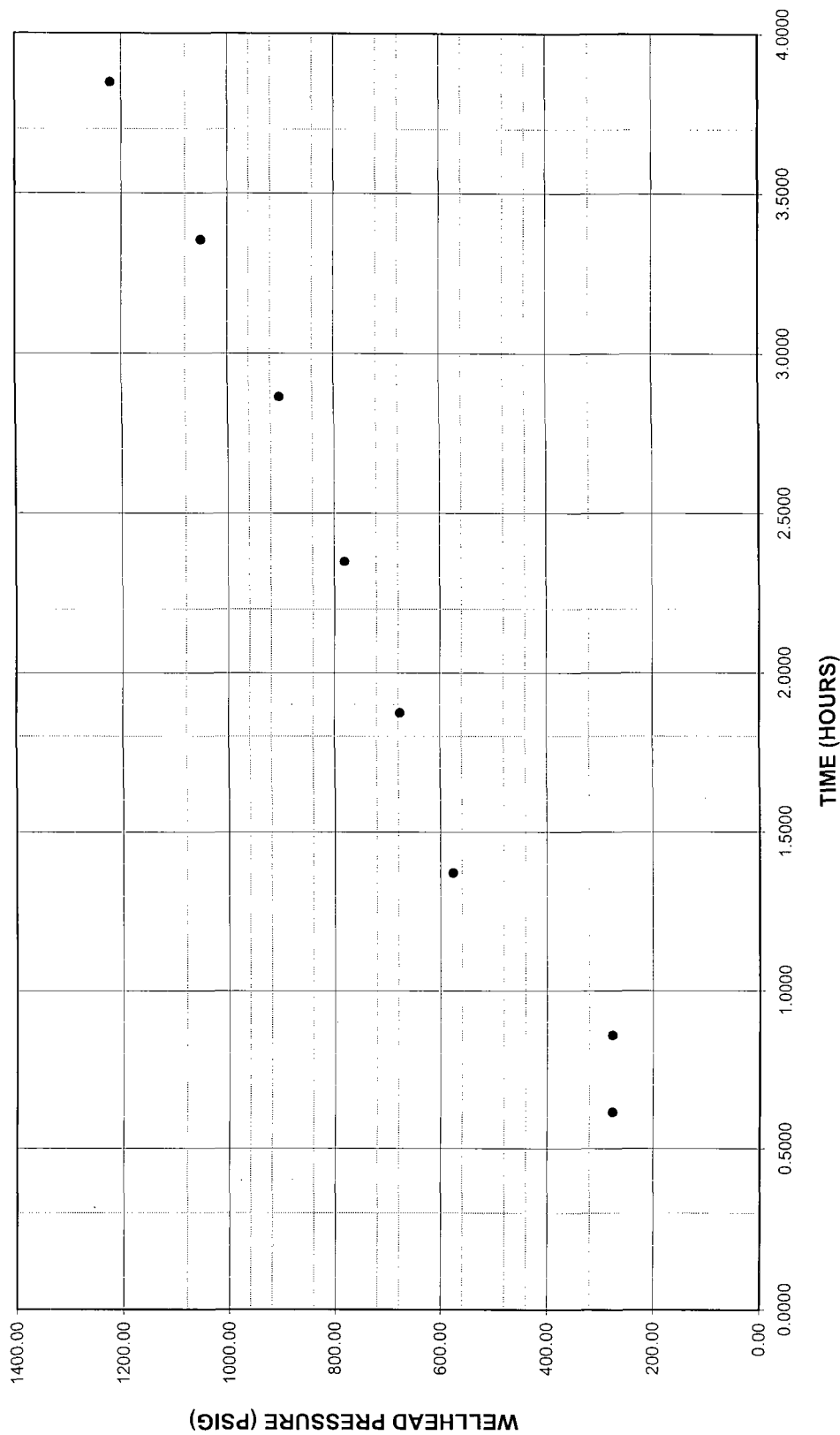


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TUSAU
WELL NUMBER: 32

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51242B
TEST DATE: 10/30/01 - 10/30/01

WELLHEAD PRESSURE VS TIME

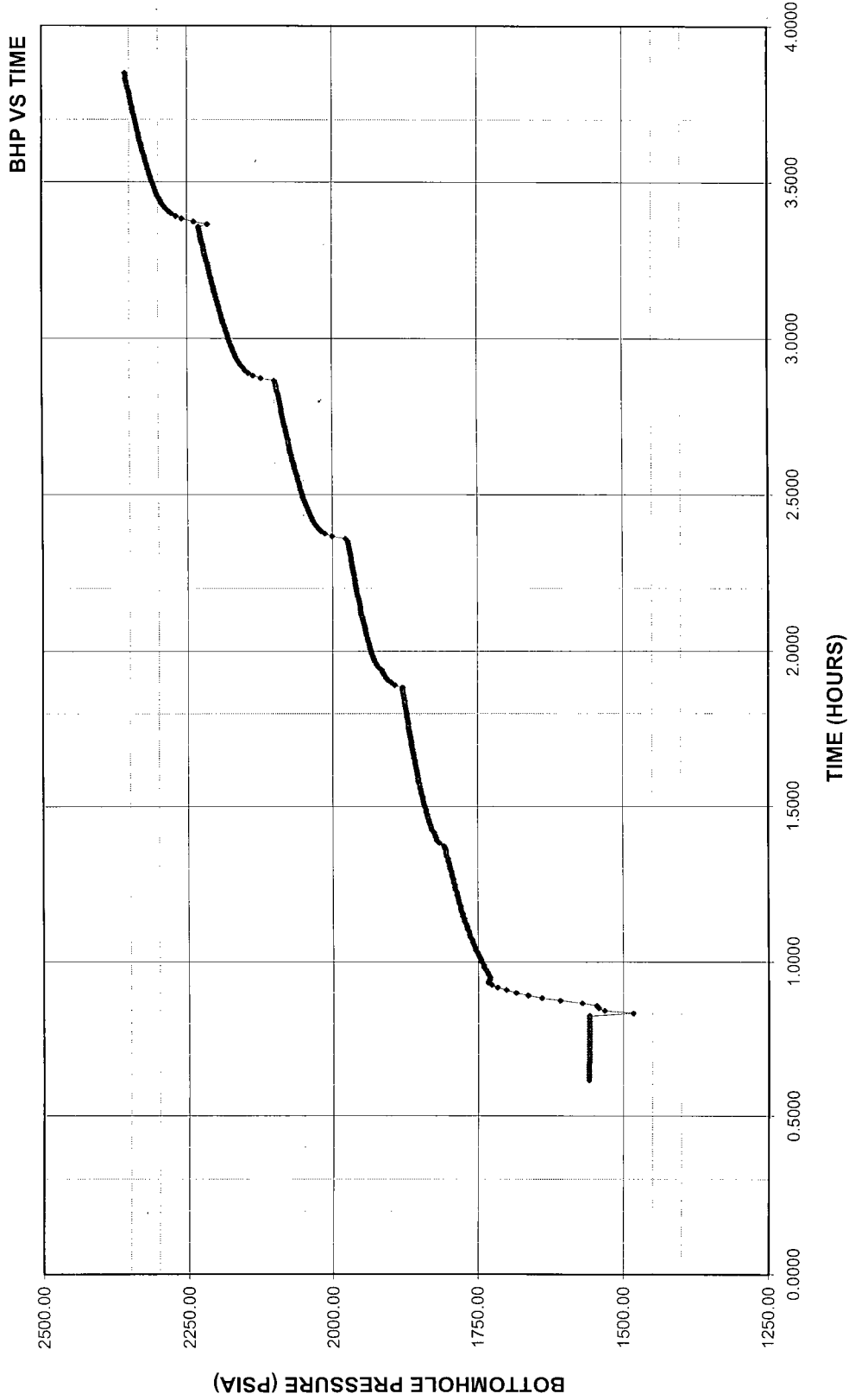


AARC **PRESSURE DATA** **I N C O R P O R A T E D**

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU
 WELL NUMBER: 32

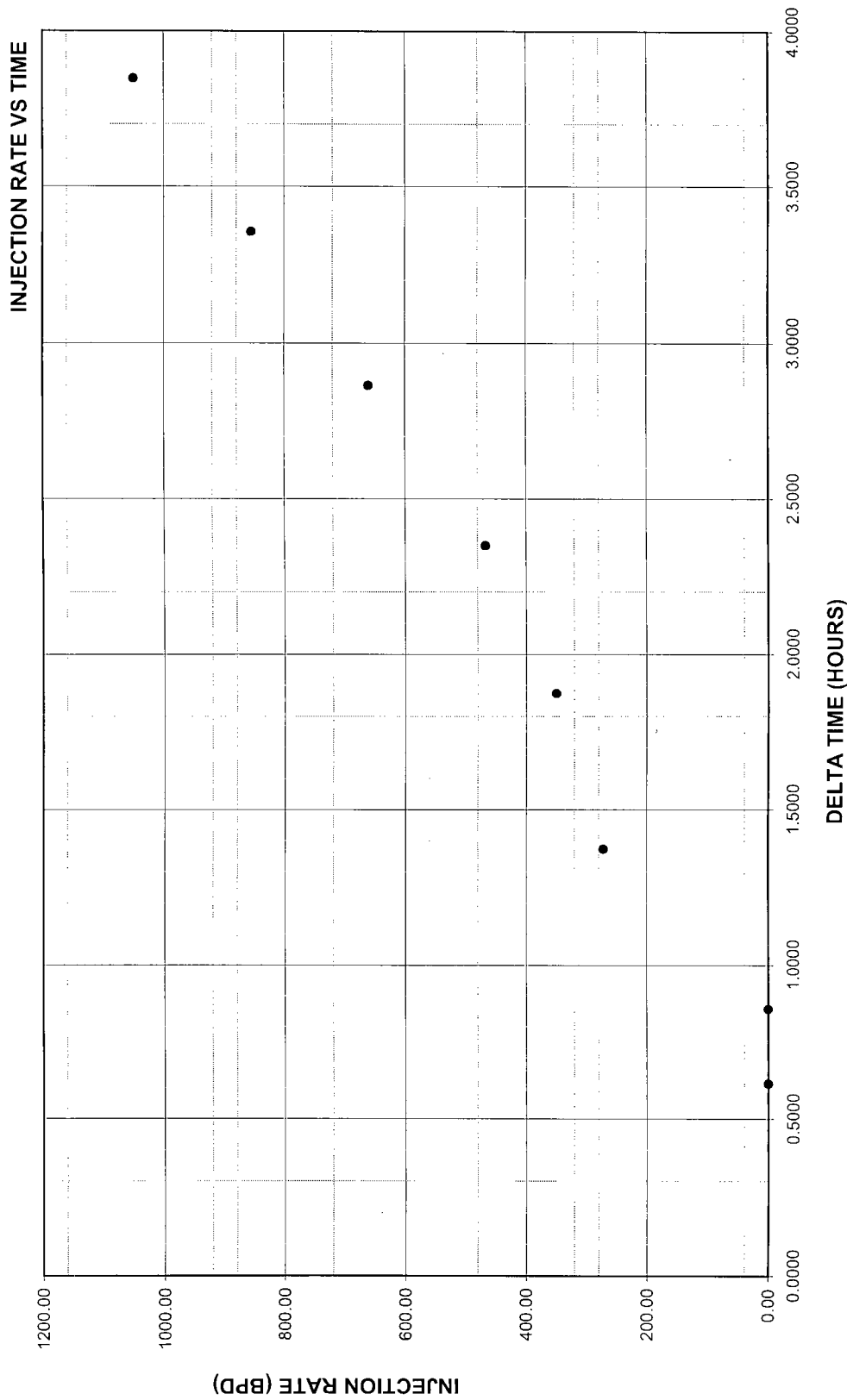
FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB # 51242B
 TEST DATE: 10/30/01 - 10/30/01





COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB # 51242B
LEASE: TLSAU COUNTY: CHAVES TEST DATE: 10/30/01
WELL NUMBER: 32 STATE: NM



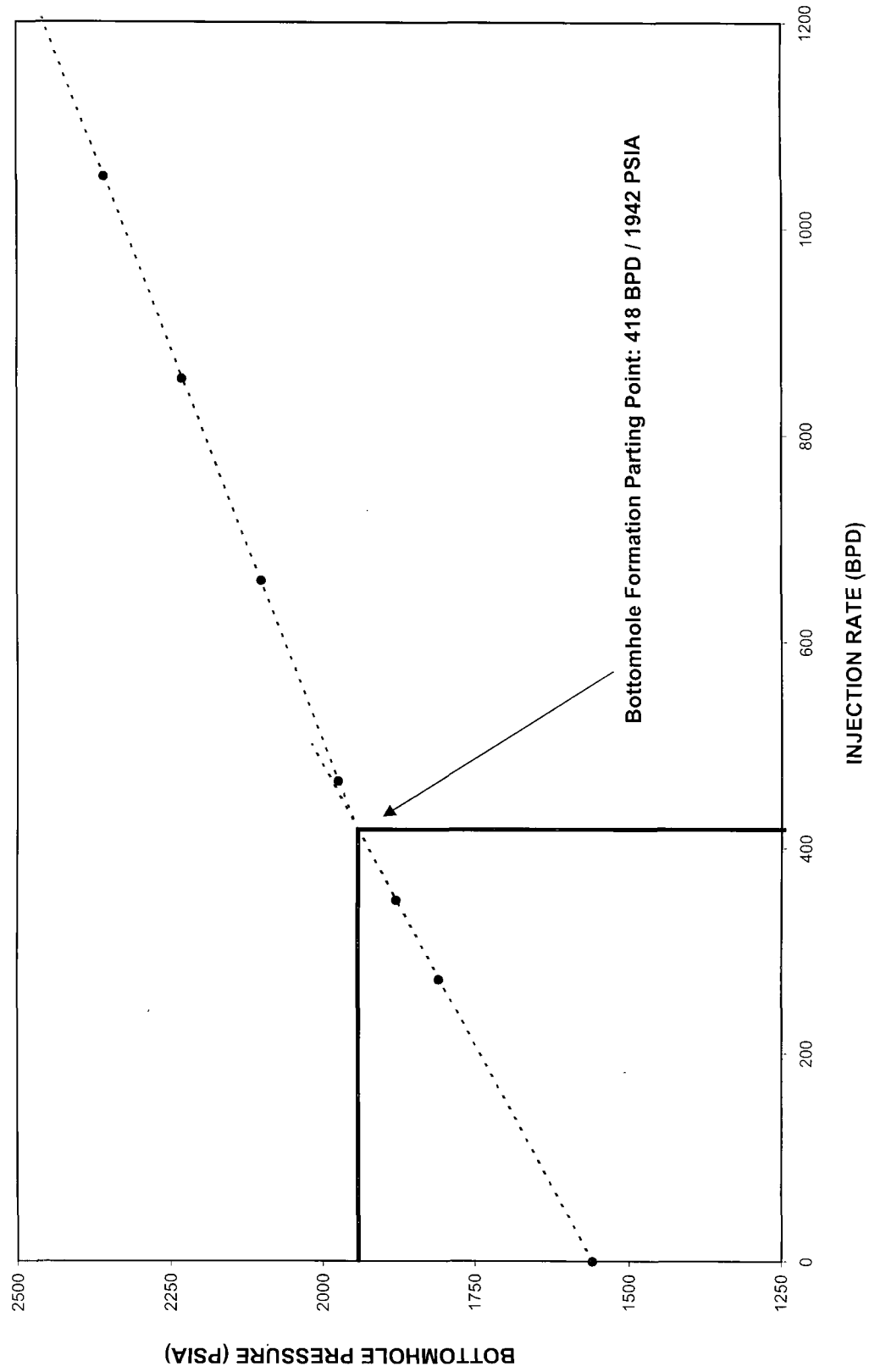


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TILSAU
WELL NUMBER: 32

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB #: 51242B
TEST DATE: 10/30/01 - 10/30/01

STEP-RATE TEST - BHP VS. INJECTION RATE



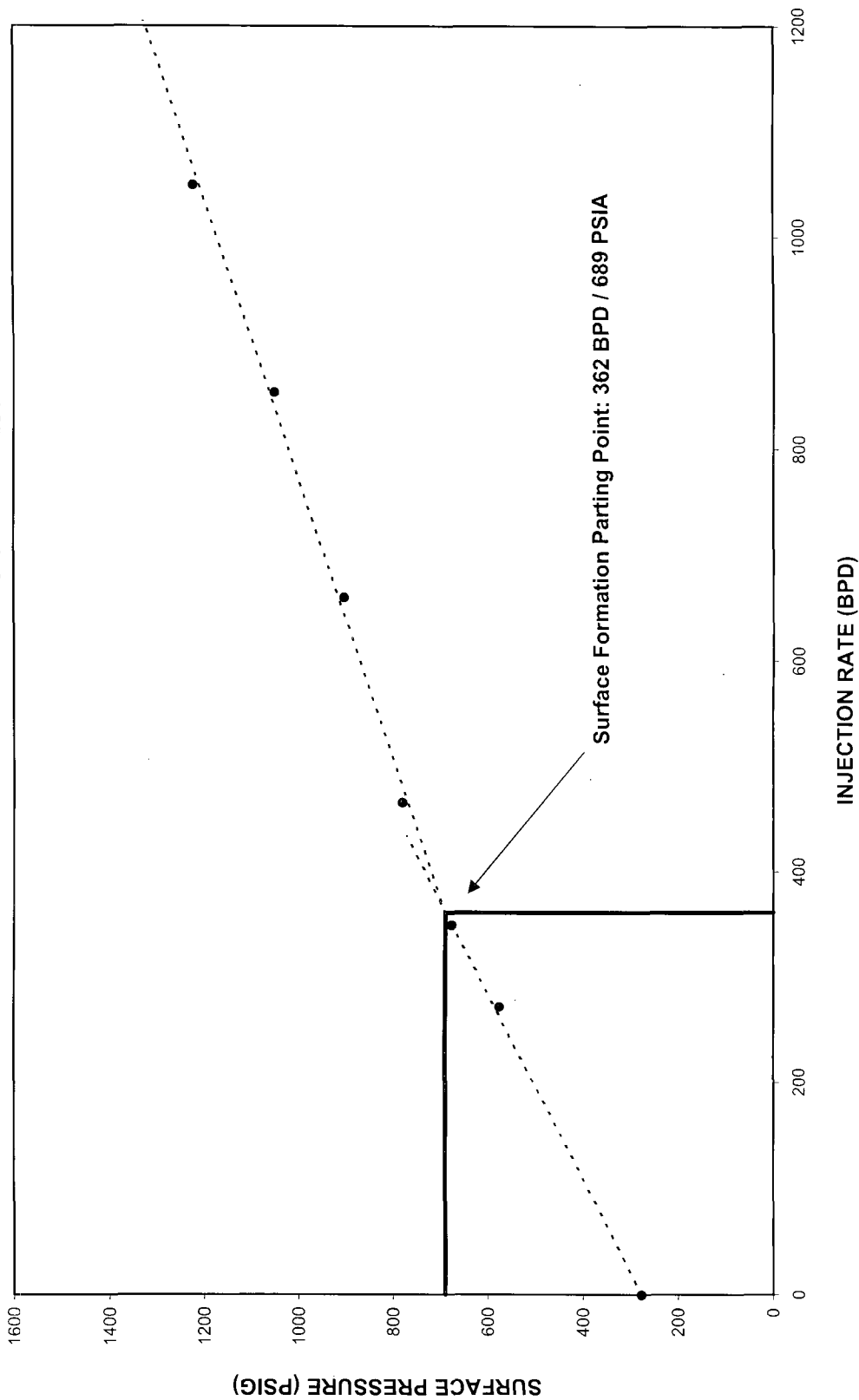


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TILSAU
WELL NUMBER: 32

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB #: 51242B
TEST DATE: 10/30/01 - 10/30/01

STEP-RATE TEST - WHP VS. INJECTION RATE



ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 32
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/30/01 - 10/30/01
 RUN DEPTH: 2749
 INSTRUMENT: V90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 51242B
10/30/01 02:44:30 PM	0.8583	1546.01	276.00	0.00	
10/30/01 03:15:30 PM	1.3750	1808.76	576.00	272.00	
10/30/01 03:45:30 PM	1.8750	1879.06	676.00	350.00	
10/30/01 04:14:00 PM	2.3500	1973.96	780.00	466.00	
10/30/01 04:45:00 PM	2.8667	2099.62	902.00	660.00	
10/30/01 05:14:30 PM	3.3583	2229.79	1050.00	855.00	
10/30/01 05:44:00 PM	3.8500	2357.41	1220.00	1050.00	

ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 32
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/30/01 - 10/30/01
 RUN DEPTH: 2749
 INSTRUMENT: V90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 1:53:00 PM			START GAUGE #V-90
10/30/01 2:00:00 PM			ON LOCATION
10/30/01 2:20:00 PM			IN LUBRICATOR W/ GAUGES
10/30/01 2:30:00 PM			ON BOTTOM W/ GAUGES @ 2749'
10/30/01 2:30:00 PM	0.6167	1559.21	
10/30/01 2:30:30 PM	0.6250	1559.16	
10/30/01 2:31:00 PM	0.6333	1559.17	
10/30/01 2:31:30 PM	0.6417	1559.16	
10/30/01 2:32:00 PM	0.6500	1559.15	
10/30/01 2:32:30 PM	0.6583	1559.17	
10/30/01 2:33:00 PM	0.6667	1559.17	
10/30/01 2:33:30 PM	0.6750	1558.86	
10/30/01 2:34:00 PM	0.6833	1558.74	
10/30/01 2:34:30 PM	0.6917	1558.67	
10/30/01 2:35:00 PM	0.7000	1558.62	
10/30/01 2:35:30 PM	0.7083	1558.59	
10/30/01 2:36:00 PM	0.7167	1558.57	
10/30/01 2:36:30 PM	0.7250	1558.55	
10/30/01 2:37:00 PM	0.7333	1558.53	
10/30/01 2:37:30 PM	0.7417	1558.51	
10/30/01 2:38:00 PM	0.7500	1558.51	
10/30/01 2:38:30 PM	0.7583	1558.49	
10/30/01 2:39:00 PM	0.7667	1558.48	
10/30/01 2:39:30 PM	0.7750	1558.47	
10/30/01 2:40:00 PM	0.7833	1558.46	
10/30/01 2:40:30 PM	0.7917	1558.46	
10/30/01 2:41:00 PM	0.8000	1558.46	
10/30/01 2:41:30 PM	0.8083	1558.45	
10/30/01 2:42:00 PM	0.8167	1558.45	
10/30/01 2:42:30 PM	0.8250	1558.45	
10/30/01 2:43:00 PM	0.8333	1483.22	
10/30/01 2:43:30 PM	0.8417	1532.54	
10/30/01 2:44:00 PM	0.8500	1541.91	
10/30/01 2:44:30 PM	0.8583	1546.01	
10/30/01 2:44:30 PM			START 1ST RATE @ 272 BPD
10/30/01 2:45:00 PM	0.8667	1570.76	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
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10/30/01 2:45:30 PM	0.8750	1608.44
10/30/01 2:46:00 PM	0.8833	1640.74
10/30/01 2:46:30 PM	0.8917	1663.88
10/30/01 2:47:00 PM	0.9000	1684.57
10/30/01 2:47:30 PM	0.9083	1701.01
10/30/01 2:48:00 PM	0.9167	1716.74
10/30/01 2:48:30 PM	0.9250	1726.64
10/30/01 2:49:00 PM	0.9333	1733.15
10/30/01 2:49:30 PM	0.9417	1730.02
10/30/01 2:50:00 PM	0.9500	1729.11
10/30/01 2:50:30 PM	0.9583	1731.79
10/30/01 2:51:00 PM	0.9667	1733.51
10/30/01 2:51:30 PM	0.9750	1736.85
10/30/01 2:52:00 PM	0.9833	1739.99
10/30/01 2:52:30 PM	0.9917	1740.36
10/30/01 2:53:00 PM	1.0000	1743.50
10/30/01 2:53:30 PM	1.0083	1744.61
10/30/01 2:54:00 PM	1.0167	1747.36
10/30/01 2:54:30 PM	1.0250	1749.39
10/30/01 2:55:00 PM	1.0333	1750.90
10/30/01 2:55:30 PM	1.0417	1754.14
10/30/01 2:56:00 PM	1.0500	1755.39
10/30/01 2:56:30 PM	1.0583	1757.50
10/30/01 2:57:00 PM	1.0667	1759.37
10/30/01 2:57:30 PM	1.0750	1759.78
10/30/01 2:58:00 PM	1.0833	1763.11
10/30/01 2:58:30 PM	1.0917	1764.25
10/30/01 2:59:00 PM	1.1000	1765.46
10/30/01 2:59:30 PM	1.1083	1768.16
10/30/01 3:00:00 PM		
10/30/01 3:00:00 PM	1.1167	1768.54
10/30/01 3:00:30 PM	1.1250	1771.05
10/30/01 3:01:00 PM	1.1333	1773.10
10/30/01 3:01:30 PM	1.1417	1773.69
10/30/01 3:02:00 PM	1.1500	1775.76
10/30/01 3:02:30 PM	1.1583	1776.33
10/30/01 3:03:00 PM	1.1667	1778.42
10/30/01 3:03:30 PM	1.1750	1779.54
10/30/01 3:04:00 PM	1.1833	1780.05
10/30/01 3:04:30 PM	1.1917	1782.78
10/30/01 3:05:00 PM	1.2000	1783.22
10/30/01 3:05:30 PM	1.2083	1784.18
10/30/01 3:06:00 PM	1.2167	1785.78
10/30/01 3:06:30 PM	1.2250	1786.31
10/30/01 3:07:00 PM	1.2333	1788.71
10/30/01 3:07:30 PM	1.2417	1789.16
10/30/01 3:08:00 PM	1.2500	1789.69
10/30/01 3:08:30 PM	1.2583	1791.97
10/30/01 3:09:00 PM	1.2667	1792.48
10/30/01 3:09:30 PM	1.2750	1794.32
10/30/01 3:10:00 PM	1.2833	1795.31
10/30/01 3:10:30 PM	1.2917	1795.71

CONTINUE 1ST RATE

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 3:11:00 PM	1.3000	1798.07	
10/30/01 3:11:30 PM	1.3083	1798.52	
10/30/01 3:12:00 PM	1.3167	1799.83	
10/30/01 3:12:30 PM	1.3250	1801.27	
10/30/01 3:13:00 PM	1.3333	1801.48	
10/30/01 3:13:30 PM	1.3417	1803.79	
10/30/01 3:14:00 PM	1.3500	1804.42	
10/30/01 3:14:30 PM	1.3583	1805.20	
10/30/01 3:15:00 PM	1.3667	1806.95	
10/30/01 3:15:30 PM	1.3750	1808.76	
10/30/01 3:15:31 PM			START 2ND RATE @ 350 BPD
10/30/01 3:16:00 PM	1.3833	1816.70	
10/30/01 3:16:30 PM	1.3917	1820.61	
10/30/01 3:17:00 PM	1.4000	1822.23	
10/30/01 3:17:30 PM	1.4083	1824.15	
10/30/01 3:18:00 PM	1.4167	1825.93	
10/30/01 3:18:30 PM	1.4250	1828.82	
10/30/01 3:19:00 PM	1.4333	1830.93	
10/30/01 3:19:30 PM	1.4417	1832.24	
10/30/01 3:20:00 PM	1.4500	1833.26	
10/30/01 3:20:30 PM	1.4583	1834.71	
10/30/01 3:21:00 PM	1.4667	1836.70	
10/30/01 3:21:30 PM	1.4750	1837.57	
10/30/01 3:22:00 PM	1.4833	1838.59	
10/30/01 3:22:30 PM	1.4917	1839.28	
10/30/01 3:23:00 PM	1.5000	1841.14	
10/30/01 3:23:30 PM	1.5083	1842.85	
10/30/01 3:24:00 PM	1.5167	1843.32	
10/30/01 3:24:30 PM	1.5250	1844.27	
10/30/01 3:25:00 PM	1.5333	1845.22	
10/30/01 3:25:30 PM	1.5417	1846.89	
10/30/01 3:26:00 PM	1.5500	1848.31	
10/30/01 3:26:30 PM	1.5583	1849.08	
10/30/01 3:27:00 PM	1.5667	1850.02	
10/30/01 3:27:30 PM	1.5750	1850.91	
10/30/01 3:28:00 PM	1.5833	1852.41	
10/30/01 3:28:30 PM	1.5917	1852.92	
10/30/01 3:29:00 PM	1.6000	1853.65	
10/30/01 3:29:30 PM	1.6083	1853.99	
10/30/01 3:30:00 PM	1.6167	1855.49	
10/30/01 3:30:00 PM			CONTINUE 2ND RATE
10/30/01 3:30:30 PM	1.6250	1856.50	
10/30/01 3:31:00 PM	1.6333	1856.79	
10/30/01 3:31:30 PM	1.6417	1857.55	
10/30/01 3:32:00 PM	1.6500	1858.27	
10/30/01 3:32:30 PM	1.6583	1859.75	
10/30/01 3:33:00 PM	1.6667	1860.74	
10/30/01 3:33:30 PM	1.6750	1861.35	
10/30/01 3:34:00 PM	1.6833	1862.05	
10/30/01 3:34:30 PM	1.6917	1862.96	
10/30/01 3:35:00 PM	1.7000	1864.20	
10/30/01 3:35:30 PM	1.7083	1864.33	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 3:36:00 PM	1.7167	1865.12	
10/30/01 3:36:30 PM	1.7250	1865.74	
10/30/01 3:37:00 PM	1.7333	1866.99	
10/30/01 3:37:30 PM	1.7417	1867.83	
10/30/01 3:38:00 PM	1.7500	1868.29	
10/30/01 3:38:30 PM	1.7583	1869.17	
10/30/01 3:39:00 PM	1.7667	1869.65	
10/30/01 3:39:30 PM	1.7750	1870.89	
10/30/01 3:40:00 PM	1.7833	1871.67	
10/30/01 3:40:30 PM	1.7917	1872.15	
10/30/01 3:41:00 PM	1.8000	1872.53	
10/30/01 3:41:30 PM	1.8083	1873.46	
10/30/01 3:42:00 PM	1.8167	1874.52	
10/30/01 3:42:30 PM	1.8250	1874.87	
10/30/01 3:43:00 PM	1.8333	1875.46	
10/30/01 3:43:30 PM	1.8417	1875.87	
10/30/01 3:44:00 PM	1.8500	1877.17	
10/30/01 3:44:30 PM	1.8583	1878.02	
10/30/01 3:45:00 PM	1.8667	1878.51	
10/30/01 3:45:30 PM	1.8750	1879.06	
10/30/01 3:45:31 PM			START 3RD RATE @ 466 BPD
10/30/01 3:46:00 PM	1.8833	1879.51	
10/30/01 3:46:30 PM	1.8917	1892.68	
10/30/01 3:47:00 PM	1.9000	1898.01	
10/30/01 3:47:30 PM	1.9083	1904.31	
10/30/01 3:48:00 PM	1.9167	1908.34	
10/30/01 3:48:30 PM	1.9250	1911.37	
10/30/01 3:49:00 PM	1.9333	1913.67	
10/30/01 3:49:30 PM	1.9417	1915.77	
10/30/01 3:50:00 PM	1.9500	1920.86	
10/30/01 3:50:30 PM	1.9583	1924.63	
10/30/01 3:51:00 PM	1.9667	1927.24	
10/30/01 3:51:30 PM	1.9750	1929.05	
10/30/01 3:52:00 PM	1.9833	1930.62	
10/30/01 3:52:30 PM	1.9917	1932.14	
10/30/01 3:53:00 PM	2.0000	1933.54	
10/30/01 3:53:30 PM	2.0083	1934.83	
10/30/01 3:54:00 PM	2.0167	1935.91	
10/30/01 3:54:30 PM	2.0250	1937.37	
10/30/01 3:55:00 PM	2.0333	1938.83	
10/30/01 3:55:30 PM	2.0417	1939.98	
10/30/01 3:56:00 PM	2.0500	1941.30	
10/30/01 3:56:30 PM	2.0583	1942.54	
10/30/01 3:57:00 PM	2.0667	1943.55	
10/30/01 3:57:30 PM	2.0750	1944.45	
10/30/01 3:58:00 PM	2.0833	1945.48	
10/30/01 3:58:30 PM	2.0917	1946.56	
10/30/01 3:59:00 PM	2.1000	1947.83	
10/30/01 3:59:30 PM	2.1083	1949.07	
10/30/01 4:00:00 PM	2.1167	1950.26	
10/30/01 4:00:00 PM			CONTINUE 3RD RATE
10/30/01 4:00:30 PM	2.1250	1951.22	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 4:01:00 PM	2.1333	1952.02	
10/30/01 4:01:30 PM	2.1417	1952.61	
10/30/01 4:02:00 PM	2.1500	1953.41	
10/30/01 4:02:30 PM	2.1583	1954.14	
10/30/01 4:03:00 PM	2.1667	1954.97	
10/30/01 4:03:30 PM	2.1750	1956.56	
10/30/01 4:04:00 PM	2.1833	1957.67	
10/30/01 4:04:30 PM	2.1917	1958.86	
10/30/01 4:05:00 PM	2.2000	1959.79	
10/30/01 4:05:30 PM	2.2083	1960.56	
10/30/01 4:06:00 PM	2.2167	1961.24	
10/30/01 4:06:30 PM	2.2250	1961.66	
10/30/01 4:07:00 PM	2.2333	1962.29	
10/30/01 4:07:30 PM	2.2417	1963.17	
10/30/01 4:08:00 PM	2.2500	1964.23	
10/30/01 4:08:30 PM	2.2583	1965.07	
10/30/01 4:09:00 PM	2.2667	1966.11	
10/30/01 4:09:30 PM	2.2750	1966.99	
10/30/01 4:10:00 PM	2.2833	1967.64	
10/30/01 4:10:30 PM	2.2917	1968.24	
10/30/01 4:11:00 PM	2.3000	1968.88	
10/30/01 4:11:30 PM	2.3083	1969.69	
10/30/01 4:12:00 PM	2.3167	1970.43	
10/30/01 4:12:30 PM	2.3250	1971.45	
10/30/01 4:13:00 PM	2.3333	1972.47	
10/30/01 4:13:30 PM	2.3417	1973.32	
10/30/01 4:14:00 PM	2.3500	1973.96	
10/30/01 4:14:01 PM			START 4TH RATE @ 660 BPD
10/30/01 4:14:30 PM	2.3583	1977.86	
10/30/01 4:15:00 PM	2.3667	2001.25	
10/30/01 4:15:30 PM	2.3750	2013.89	
10/30/01 4:16:00 PM	2.3833	2019.73	
10/30/01 4:16:30 PM	2.3917	2024.04	
10/30/01 4:17:00 PM	2.4000	2028.01	
10/30/01 4:17:30 PM	2.4083	2031.44	
10/30/01 4:18:00 PM	2.4167	2034.12	
10/30/01 4:18:30 PM	2.4250	2036.17	
10/30/01 4:19:00 PM	2.4333	2038.61	
10/30/01 4:19:30 PM	2.4417	2040.63	
10/30/01 4:20:00 PM	2.4500	2042.46	
10/30/01 4:20:30 PM	2.4583	2044.11	
10/30/01 4:21:00 PM	2.4667	2045.94	
10/30/01 4:21:30 PM	2.4750	2047.59	
10/30/01 4:22:00 PM	2.4833	2049.23	
10/30/01 4:22:30 PM	2.4917	2050.88	
10/30/01 4:23:00 PM	2.5000	2052.45	
10/30/01 4:23:30 PM	2.5083	2054.20	
10/30/01 4:24:00 PM	2.5167	2055.31	
10/30/01 4:24:30 PM	2.5250	2056.59	
10/30/01 4:25:00 PM	2.5333	2057.93	
10/30/01 4:25:30 PM	2.5417	2059.41	
10/30/01 4:26:00 PM	2.5500	2060.53	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 4:26:30 PM	2.5583	2061.50	
10/30/01 4:27:00 PM	2.5667	2062.58	
10/30/01 4:27:30 PM	2.5750	2063.88	
10/30/01 4:28:00 PM	2.5833	2065.32	
10/30/01 4:28:30 PM	2.5917	2066.54	
10/30/01 4:29:00 PM	2.6000	2067.65	
10/30/01 4:29:30 PM	2.6083	2068.87	
10/30/01 4:30:00 PM	2.6167	2070.13	
10/30/01 4:30:00 PM			CONTINUE 4TH RATE
10/30/01 4:30:30 PM	2.6250	2071.36	
10/30/01 4:31:00 PM	2.6333	2072.39	
10/30/01 4:31:30 PM	2.6417	2073.38	
10/30/01 4:32:00 PM	2.6500	2074.48	
10/30/01 4:32:30 PM	2.6583	2075.31	
10/30/01 4:33:00 PM	2.6667	2076.07	
10/30/01 4:33:30 PM	2.6750	2076.86	
10/30/01 4:34:00 PM	2.6833	2077.85	
10/30/01 4:34:30 PM	2.6917	2078.92	
10/30/01 4:35:00 PM	2.7000	2079.82	
10/30/01 4:35:30 PM	2.7083	2080.76	
10/30/01 4:36:00 PM	2.7167	2082.02	
10/30/01 4:36:30 PM	2.7250	2083.27	
10/30/01 4:37:00 PM	2.7333	2084.28	
10/30/01 4:37:30 PM	2.7417	2085.19	
10/30/01 4:38:00 PM	2.7500	2086.14	
10/30/01 4:38:30 PM	2.7583	2087.15	
10/30/01 4:39:00 PM	2.7667	2087.69	
10/30/01 4:39:30 PM	2.7750	2088.31	
10/30/01 4:40:00 PM	2.7833	2089.03	
10/30/01 4:40:30 PM	2.7917	2090.04	
10/30/01 4:41:00 PM	2.8000	2090.78	
10/30/01 4:41:30 PM	2.8083	2091.52	
10/30/01 4:42:00 PM	2.8167	2092.40	
10/30/01 4:42:30 PM	2.8250	2093.90	
10/30/01 4:43:00 PM	2.8333	2095.28	
10/30/01 4:43:30 PM	2.8417	2096.37	
10/30/01 4:44:00 PM	2.8500	2097.25	
10/30/01 4:44:30 PM	2.8583	2098.30	
10/30/01 4:45:00 PM	2.8667	2099.62	
10/30/01 4:45:01 PM			START 5TH RATE @ 855 BPD
10/30/01 4:45:30 PM	2.8750	2123.29	
10/30/01 4:46:00 PM	2.8833	2136.64	
10/30/01 4:46:30 PM	2.8917	2144.47	
10/30/01 4:47:00 PM	2.9000	2150.09	
10/30/01 4:47:30 PM	2.9083	2154.13	
10/30/01 4:48:00 PM	2.9167	2157.93	
10/30/01 4:48:30 PM	2.9250	2160.95	
10/30/01 4:49:00 PM	2.9333	2163.75	
10/30/01 4:49:30 PM	2.9417	2166.13	
10/30/01 4:50:00 PM	2.9500	2168.36	
10/30/01 4:50:30 PM	2.9583	2169.75	
10/30/01 4:51:00 PM	2.9667	2171.45	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
10/30/01 4:51:30 PM	2.9750	2173.54	
10/30/01 4:52:00 PM	2.9833	2175.42	
10/30/01 4:52:30 PM	2.9917	2177.30	
10/30/01 4:53:00 PM	3.0000	2178.71	
10/30/01 4:53:30 PM	3.0083	2180.06	
10/30/01 4:54:00 PM	3.0167	2181.75	
10/30/01 4:54:30 PM	3.0250	2183.34	
10/30/01 4:55:00 PM	3.0333	2184.78	
10/30/01 4:55:30 PM	3.0417	2186.14	
10/30/01 4:56:00 PM	3.0500	2187.60	
10/30/01 4:56:30 PM	3.0583	2188.98	
10/30/01 4:57:00 PM	3.0667	2190.46	
10/30/01 4:57:30 PM	3.0750	2191.63	
10/30/01 4:58:00 PM	3.0833	2192.86	
10/30/01 4:58:30 PM	3.0917	2194.13	
10/30/01 4:59:00 PM	3.1000	2195.51	
10/30/01 4:59:30 PM	3.1083	2196.70	
10/30/01 5:00:00 PM	3.1167	2198.02	
10/30/01 5:00:00 PM			CONTINUE 5TH RATE
10/30/01 5:00:30 PM	3.1250	2199.34	
10/30/01 5:01:00 PM	3.1333	2200.56	
10/30/01 5:01:30 PM	3.1417	2201.81	
10/30/01 5:02:00 PM	3.1500	2202.97	
10/30/01 5:02:30 PM	3.1583	2204.09	
10/30/01 5:03:00 PM	3.1667	2205.28	
10/30/01 5:03:30 PM	3.1750	2206.63	
10/30/01 5:04:00 PM	3.1833	2207.82	
10/30/01 5:04:30 PM	3.1917	2209.02	
10/30/01 5:05:00 PM	3.2000	2210.17	
10/30/01 5:05:30 PM	3.2083	2211.15	
10/30/01 5:06:00 PM	3.2167	2212.21	
10/30/01 5:06:30 PM	3.2250	2213.07	
10/30/01 5:07:00 PM	3.2333	2214.20	
10/30/01 5:07:30 PM	3.2417	2215.28	
10/30/01 5:08:00 PM	3.2500	2216.35	
10/30/01 5:08:30 PM	3.2583	2217.80	
10/30/01 5:09:00 PM	3.2667	2219.09	
10/30/01 5:09:30 PM	3.2750	2220.08	
10/30/01 5:10:00 PM	3.2833	2221.11	
10/30/01 5:10:30 PM	3.2917	2222.25	
10/30/01 5:11:00 PM	3.3000	2223.40	
10/30/01 5:11:30 PM	3.3083	2224.50	
10/30/01 5:12:00 PM	3.3167	2225.38	
10/30/01 5:12:30 PM	3.3250	2226.18	
10/30/01 5:13:00 PM	3.3333	2227.16	
10/30/01 5:13:30 PM	3.3417	2228.01	
10/30/01 5:14:00 PM	3.3500	2228.97	
10/30/01 5:14:30 PM	3.3583	2229.79	
10/30/01 5:14:30 PM			START 6TH RATE @ 1050 BPD
10/30/01 5:15:00 PM	3.3667	2215.34	
10/30/01 5:15:30 PM	3.3750	2237.91	
10/30/01 5:16:00 PM	3.3833	2258.64	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
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10/30/01 5:16:30 PM	3.3917	2269.14
10/30/01 5:17:00 PM	3.4000	2276.56
10/30/01 5:17:30 PM	3.4083	2282.60
10/30/01 5:18:00 PM	3.4167	2286.97
10/30/01 5:18:30 PM	3.4250	2290.52
10/30/01 5:19:00 PM	3.4333	2293.77
10/30/01 5:19:30 PM	3.4417	2296.13
10/30/01 5:20:00 PM	3.4500	2298.61
10/30/01 5:20:30 PM	3.4583	2301.05
10/30/01 5:21:00 PM	3.4667	2303.07
10/30/01 5:21:30 PM	3.4750	2304.96
10/30/01 5:22:00 PM	3.4833	2307.10
10/30/01 5:22:30 PM	3.4917	2308.74
10/30/01 5:23:00 PM	3.5000	2310.57
10/30/01 5:23:30 PM	3.5083	2311.92
10/30/01 5:24:00 PM	3.5167	2313.32
10/30/01 5:24:30 PM	3.5250	2314.73
10/30/01 5:25:00 PM	3.5333	2316.06
10/30/01 5:25:30 PM	3.5417	2317.14
10/30/01 5:26:00 PM	3.5500	2318.60
10/30/01 5:26:30 PM	3.5583	2319.85
10/30/01 5:27:00 PM	3.5667	2321.51
10/30/01 5:27:30 PM	3.5750	2322.83
10/30/01 5:28:00 PM	3.5833	2324.03
10/30/01 5:28:30 PM	3.5917	2325.39
10/30/01 5:29:00 PM	3.6000	2326.94
10/30/01 5:29:30 PM	3.6083	2328.28
10/30/01 5:30:00 PM	3.6167	2329.33
10/30/01 5:30:00 PM		CONTINUE 6TH RATE
10/30/01 5:30:30 PM	3.6250	2330.44
10/30/01 5:31:00 PM	3.6333	2331.68
10/30/01 5:31:30 PM	3.6417	2332.56
10/30/01 5:32:00 PM	3.6500	2333.80
10/30/01 5:32:30 PM	3.6583	2334.84
10/30/01 5:33:00 PM	3.6667	2335.99
10/30/01 5:33:30 PM	3.6750	2336.87
10/30/01 5:34:00 PM	3.6833	2337.95
10/30/01 5:34:30 PM	3.6917	2338.82
10/30/01 5:35:00 PM	3.7000	2339.97
10/30/01 5:35:30 PM	3.7083	2340.90
10/30/01 5:36:00 PM	3.7167	2342.09
10/30/01 5:36:30 PM	3.7250	2343.13
10/30/01 5:37:00 PM	3.7333	2344.17
10/30/01 5:37:30 PM	3.7417	2344.86
10/30/01 5:38:00 PM	3.7500	2346.11
10/30/01 5:38:30 PM	3.7583	2347.24
10/30/01 5:39:00 PM	3.7667	2348.31
10/30/01 5:39:30 PM	3.7750	2349.26
10/30/01 5:40:00 PM	3.7833	2350.26
10/30/01 5:40:30 PM	3.7917	2351.07
10/30/01 5:41:00 PM	3.8000	2352.12
10/30/01 5:41:30 PM	3.8083	2352.98

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51242B
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10/30/01 5:42:00 PM	3.8167	2353.99	
10/30/01 5:42:30 PM	3.8250	2354.87	
10/30/01 5:43:00 PM	3.8333	2355.71	
10/30/01 5:43:30 PM	3.8417	2356.45	
10/30/01 5:44:00 PM	3.8500	2357.41	
10/30/01 5:44:01 PM			END 6TH RATE



OPERATIONS LOG

COMPANY: CONCHO OIL & GAS CORP.
LEASE: TLSAU # 40
FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
COUNTY: CHAVES
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: GREG WILKES
FIELD REP: JOHN THOMPSON
JOB RUN BY: JERRY McCULLOUGH
DATA PREPARED BY: ROD DODSON
INSTRUMENT: V-90

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51243
10/29/01	09:14:00 AM		ON LOCATION
10/29/01	10:19:00 AM		START GAUGE #V-90
10/29/01	10:30:00 AM	204	IN LUBRICATOR W/ GAUGES
10/29/01	10:46:00 AM	204	ON BOTTOM W/ GAUGES @ 2740'
10/29/01	11:29:31 AM	204	START 1ST RATE @ 270 BPD
10/29/01	11:45:00 AM	334	CONTINUE 1ST RATE
10/29/01	12:00:00 PM	406	END 1ST RATE, START 2ND RATE @ 350 BPD
10/29/01	12:15:00 PM	452	CONTINUE 2ND RATE
10/29/01	12:30:31 PM	480	END 2ND RATE, START 3RD RATE @ 435 BPD
10/29/01	12:45:00 PM	512	CONTINUE 3RD RATE
10/29/01	01:00:01 PM	538	END 3RD RATE, START 4TH RATE @ 544 BPD
10/29/01	01:15:00 PM	588	CONTINUE 4TH RATE
10/29/01	01:30:31 PM	612	END 4TH RATE, START 5TH RATE @ 660 BPD
10/29/01	01:45:00 PM	654	CONTINUE 5TH RATE
10/29/01	02:00:31 PM	680	END 5TH RATE, START 6TH RATE @ 738 BPD
10/29/01	02:15:00 PM	730	CONTINUE 6TH RATE
10/29/01	02:30:01 PM	759	END 6TH RATE, START 7TH RATE @ 890 BPD
10/29/01	02:45:00 PM	830	CONTINUE 7TH RATE
10/29/01	03:00:31 PM	845	END 7TH RATE, START 8TH RATE @ 933 BPD
10/29/01	03:15:00 PM	858	CONTINUE 8TH RATE

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51243
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10/29/01 03:30:31 PM	884	END 8TH RATE, START 9TH RATE @ 1050 BPD
10/29/01 03:45:00 PM	952	CONTINUE 9TH RATE
10/29/01 04:00:31 PM	972	END 9TH RATE, START 10TH RATE @ 1166 BPD
10/29/01 04:15:00 PM	1030	CONTINUE 10TH RATE
10/29/01 04:30:31 PM	1076	END 10TH RATE, START 11TH RATE @ 1244 BPD
10/29/01 04:45:00 PM	1132	CONTINUE 11TH RATE
10/29/01 05:00:31 PM	1154	END 11TH RATE, START 12TH RATE @ 1360 BPD
10/29/01 05:15:00 PM	1216	CONTINUE 12TH RATE
10/29/01 05:30:31 PM	1296	END 12TH RATE

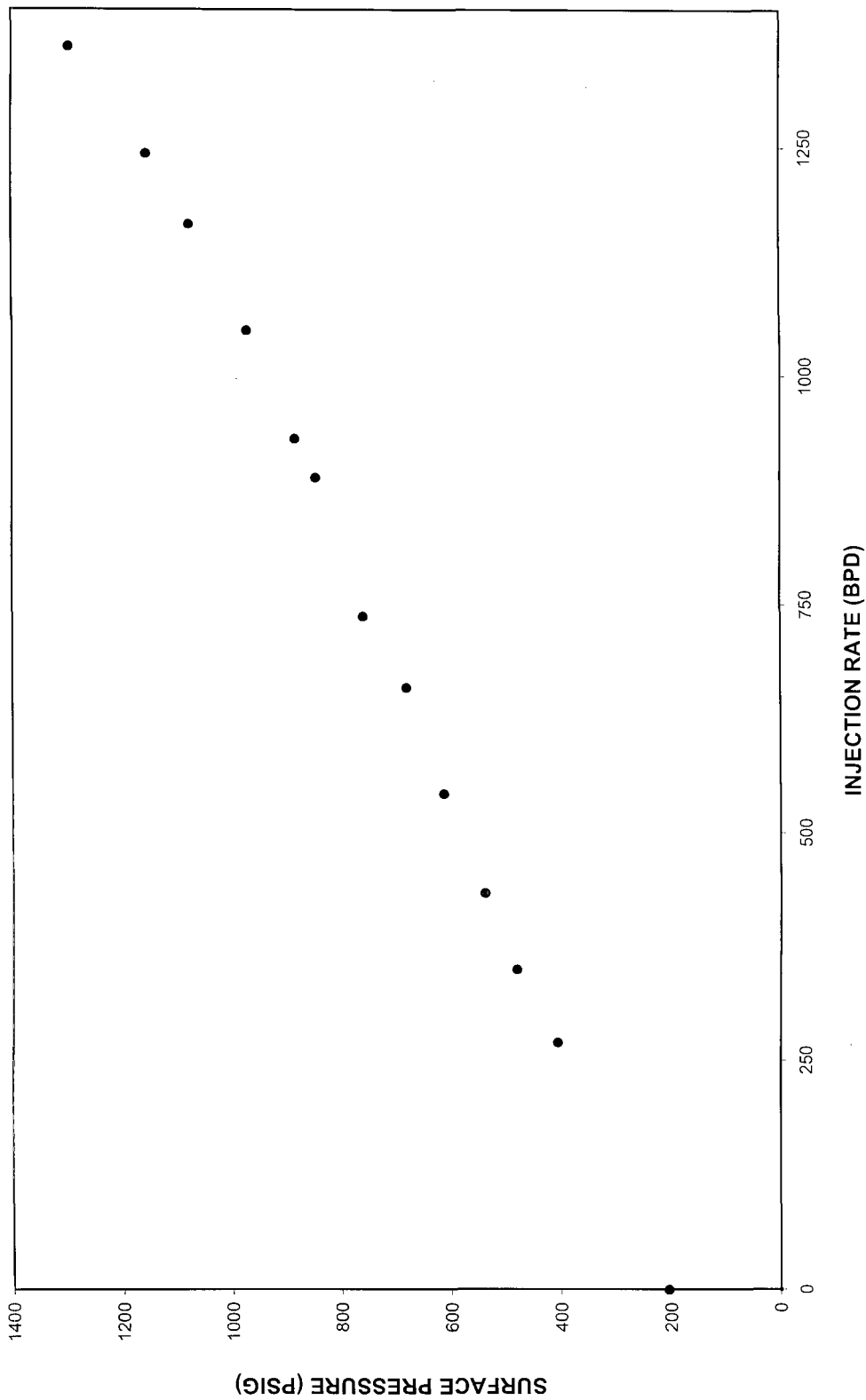
ARC PRESSURE DATA INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
LEASE: TILSAU
WELL NUMBER: 40

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51243
TEST DATE: 10/29/01 - 10/29/01

STEP-RATE TEST - WHP VS. INJECTION RATE



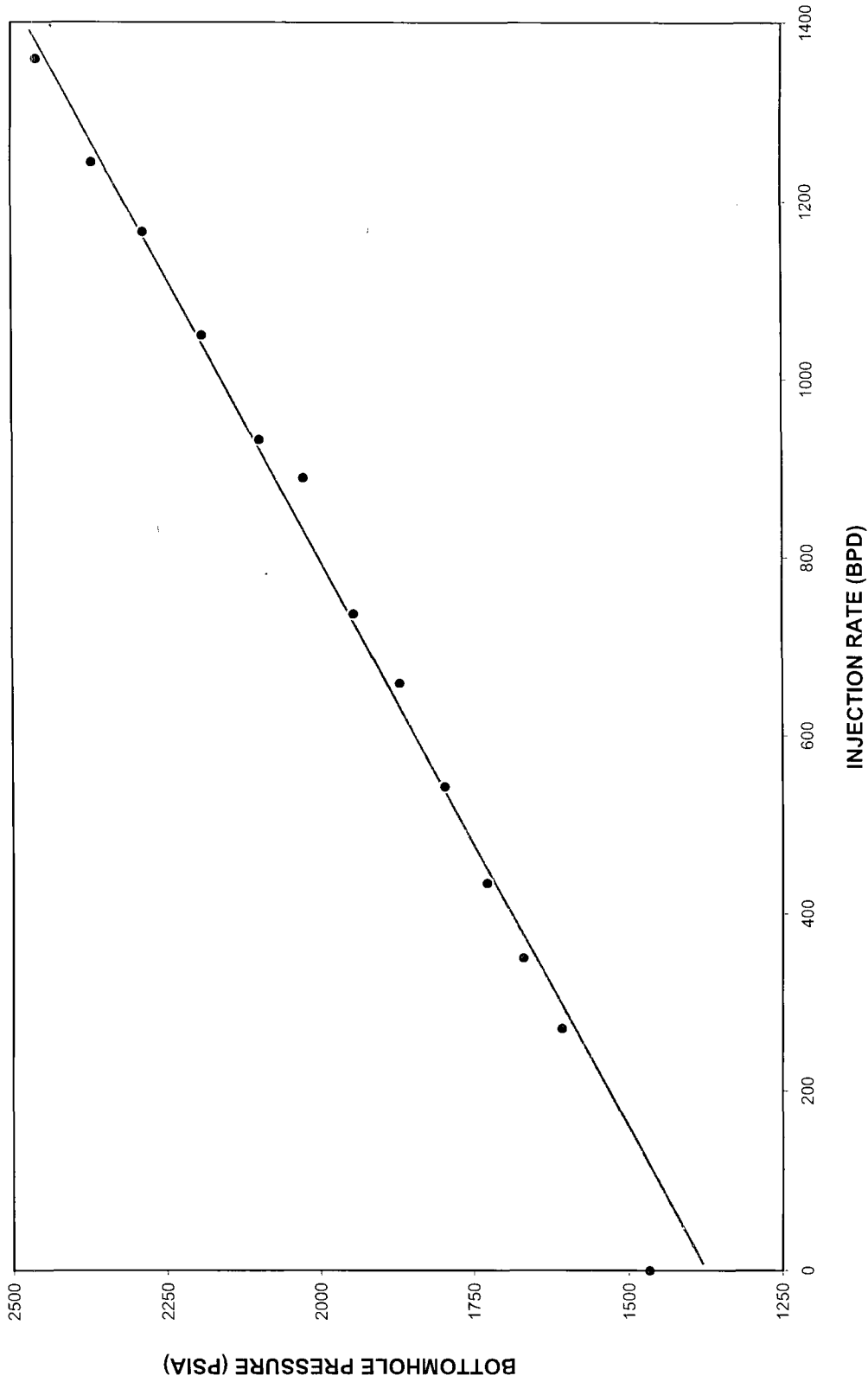
AARC **PRESSURE DATA** **I N C O R P O R A T E D**

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TUSAU
 WELL NUMBER: 40

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB # 51243
 TEST DATE: 10/29/01
 - 10/29/01

STEP-RATE TEST - BHP VS. INJECTION RATE



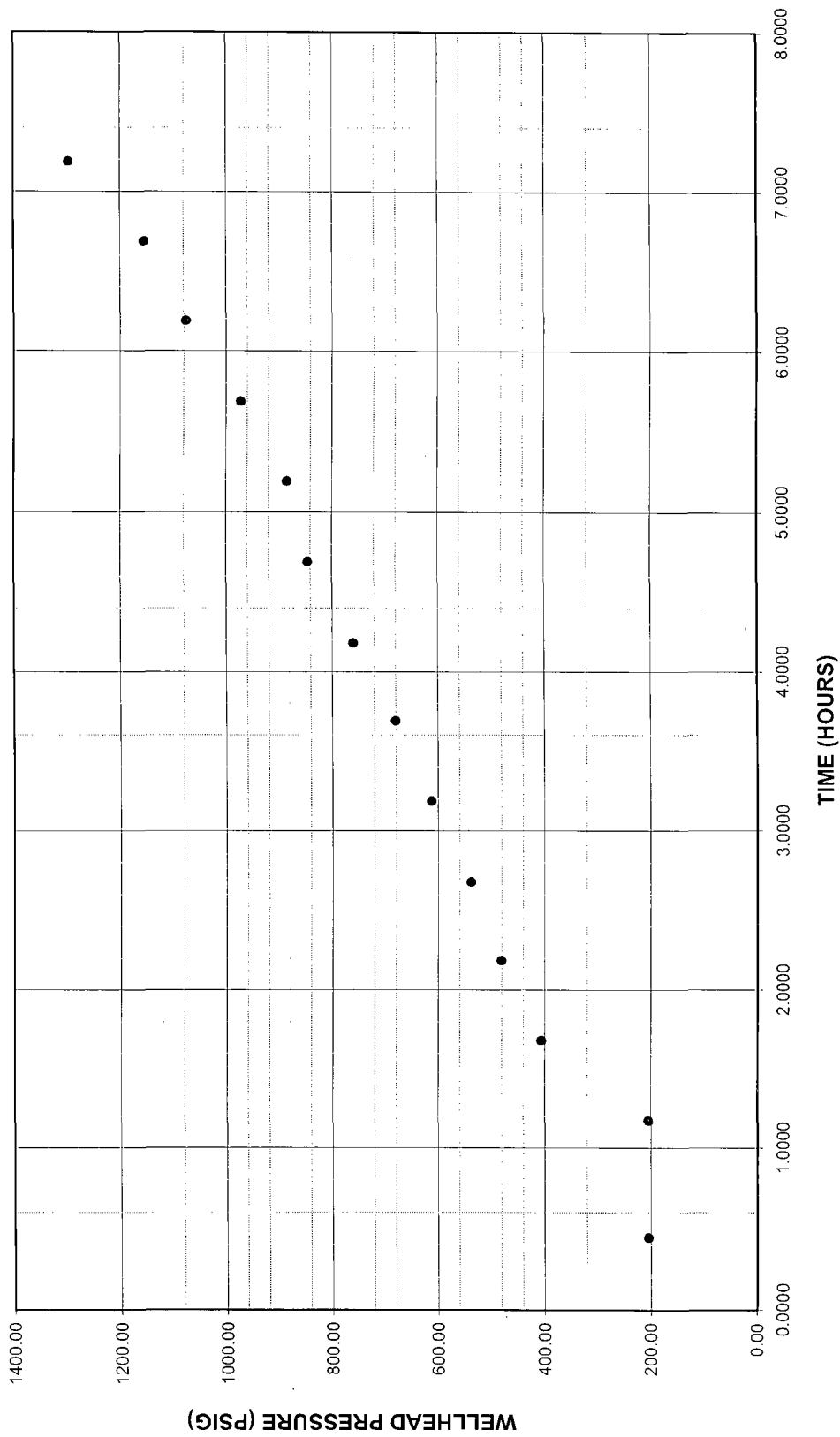
AARC

PRESSURE DATA

INCORPORATED

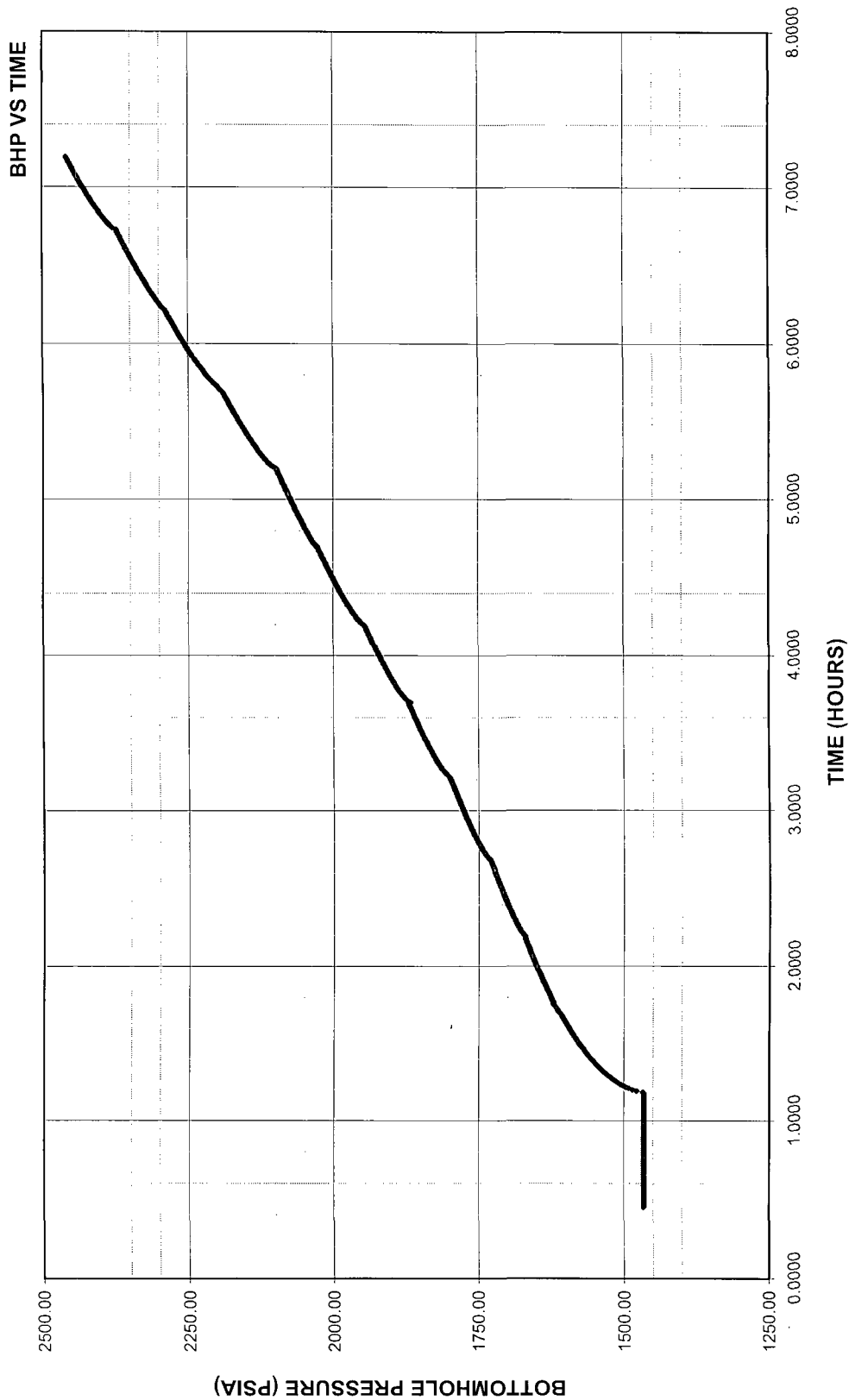
COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB #: 51243 TEST DATE: 10/29/01
 LEASE: TUSAU COUNTY: CHAVES TEST DATE: 10/29/01
 WELL NUMBER: 40 STATE: NM

WELLHEAD PRESSURE VS TIME

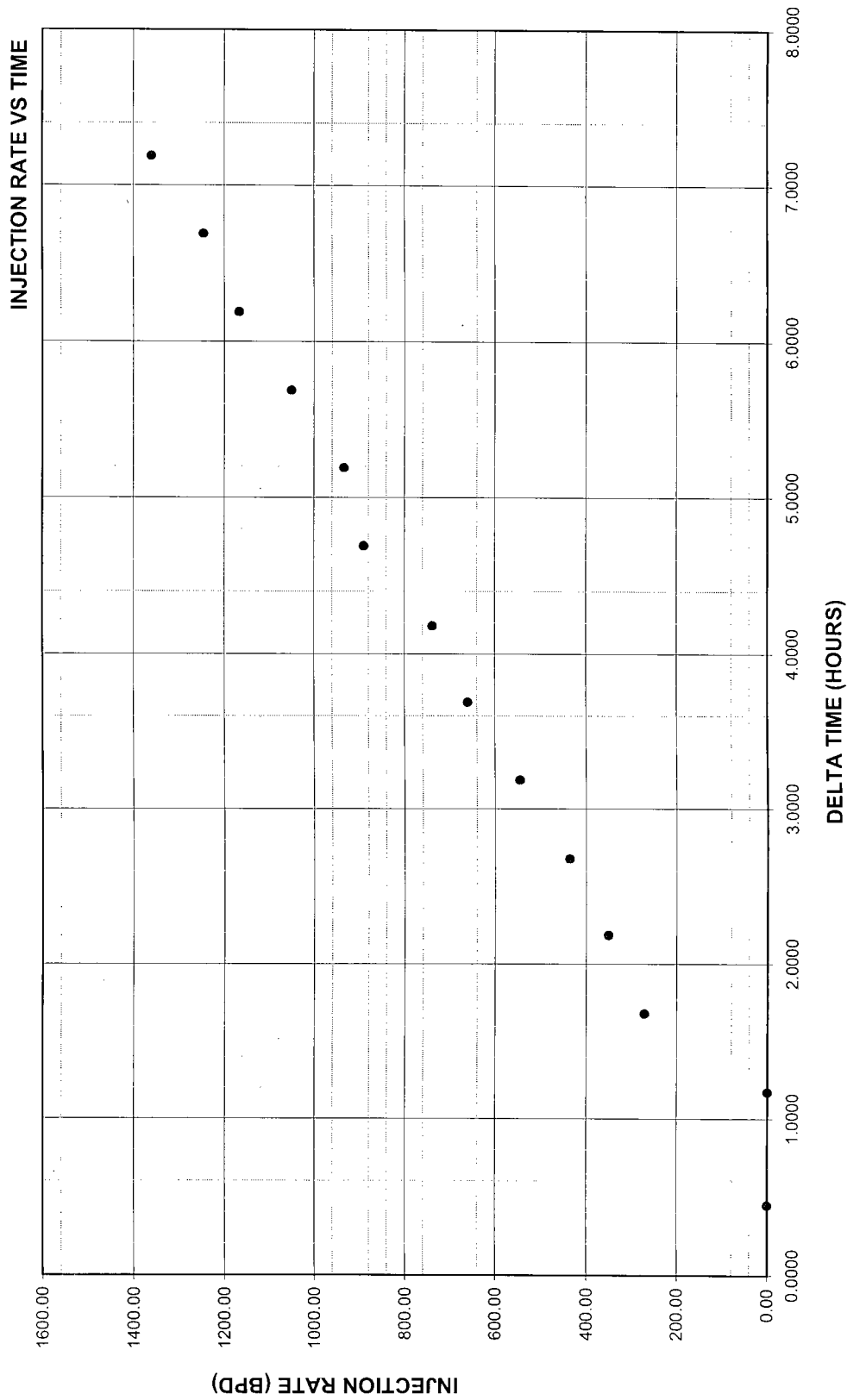




COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB # 51243
LEASE: TILSAU COUNTY: CHAVES TEST DATE: 10/29/01
WELL NUMBER: 40 STATE: NM



10/29/01



ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 40
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/29/01 - 10/29/01
 RUN DEPTH: 2740
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 51243
10/29/01 11:29:30 AM	1.1750	1465.71	204.00	0.00	
10/29/01 12:00:00 PM	1.6833	1607.40	406.00	270.00	
10/29/01 12:30:30 PM	2.1917	1670.39	480.00	350.00	
10/29/01 01:00:00 PM	2.6833	1729.12	538.00	435.00	
10/29/01 01:30:30 PM	3.1917	1796.81	612.00	544.00	
10/29/01 02:00:30 PM	3.6917	1870.33	680.00	660.00	
10/29/01 02:30:00 PM	4.1833	1944.67	759.00	738.00	
10/29/01 03:00:30 PM	4.6917	2027.15	845.00	890.00	
10/29/01 03:30:30 PM	5.1917	2098.18	884.00	933.00	
10/29/01 04:00:30 PM	5.6917	2191.15	972.00	1050.00	
10/29/01 04:30:30 PM	6.1917	2285.90	1076.00	1166.00	
10/29/01 05:00:30 PM	6.6917	2368.00	1154.00	1244.00	
10/29/01 05:30:30 PM	7.1917	2459.51	1296.00	1360.00	

ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 40
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/29/01 - 10/29/01
 RUN DEPTH: 2740
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 09:14:00 AM			ON LOCATION
10/29/01 10:19:00 AM			START GAUGE #V-90
10/29/01 10:30:00 AM			IN LUBRICATOR W/ GAUGES
10/29/01 10:46:00 AM			ON BOTTOM W/ GAUGES @ 2740'
10/29/01 10:46:00 AM	0.4500	1465.52	
10/29/01 10:46:30 AM	0.4583	1465.43	
10/29/01 10:47:00 AM	0.4667	1465.48	
10/29/01 10:47:30 AM	0.4750	1465.42	
10/29/01 10:48:00 AM	0.4833	1465.41	
10/29/01 10:48:30 AM	0.4917	1465.39	
10/29/01 10:49:00 AM	0.5000	1465.39	
10/29/01 10:49:30 AM	0.5083	1465.41	
10/29/01 10:50:00 AM	0.5167	1465.39	
10/29/01 10:50:30 AM	0.5250	1465.42	
10/29/01 10:51:00 AM	0.5333	1465.44	
10/29/01 10:51:30 AM	0.5417	1465.44	
10/29/01 10:52:00 AM	0.5500	1465.47	
10/29/01 10:52:30 AM	0.5583	1465.48	
10/29/01 10:53:00 AM	0.5667	1465.49	
10/29/01 10:53:30 AM	0.5750	1465.48	
10/29/01 10:54:00 AM	0.5833	1465.50	
10/29/01 10:54:30 AM	0.5917	1465.51	
10/29/01 10:55:00 AM	0.6000	1465.53	
10/29/01 10:55:30 AM	0.6083	1465.52	
10/29/01 10:56:00 AM	0.6167	1465.53	
10/29/01 10:56:30 AM	0.6250	1465.53	
10/29/01 10:57:00 AM	0.6333	1465.52	
10/29/01 10:57:30 AM	0.6417	1465.54	
10/29/01 10:58:00 AM	0.6500	1465.54	
10/29/01 10:58:30 AM	0.6583	1465.53	
10/29/01 10:59:00 AM	0.6667	1465.53	
10/29/01 10:59:30 AM	0.6750	1465.54	
10/29/01 11:00:00 AM	0.6833	1465.54	
10/29/01 11:00:30 AM	0.6917	1465.54	
10/29/01 11:01:00 AM	0.7000	1465.55	
10/29/01 11:01:30 AM	0.7083	1465.53	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 11:02:00 AM	0.7167	1465.55	
10/29/01 11:02:30 AM	0.7250	1465.54	
10/29/01 11:03:00 AM	0.7333	1465.56	
10/29/01 11:03:30 AM	0.7417	1465.55	
10/29/01 11:04:00 AM	0.7500	1465.56	
10/29/01 11:04:30 AM	0.7583	1465.55	
10/29/01 11:05:00 AM	0.7667	1465.56	
10/29/01 11:05:30 AM	0.7750	1465.57	
10/29/01 11:06:00 AM	0.7833	1465.57	
10/29/01 11:06:30 AM	0.7917	1465.57	
10/29/01 11:07:00 AM	0.8000	1465.59	
10/29/01 11:07:30 AM	0.8083	1465.59	
10/29/01 11:08:00 AM	0.8167	1465.56	
10/29/01 11:08:30 AM	0.8250	1465.55	
10/29/01 11:09:00 AM	0.8333	1465.59	
10/29/01 11:09:30 AM	0.8417	1465.64	
10/29/01 11:10:00 AM	0.8500	1465.64	
10/29/01 11:10:30 AM	0.8583	1465.64	
10/29/01 11:11:00 AM	0.8667	1465.63	
10/29/01 11:11:30 AM	0.8750	1465.63	
10/29/01 11:12:00 AM	0.8833	1465.63	
10/29/01 11:12:30 AM	0.8917	1465.62	
10/29/01 11:13:00 AM	0.9000	1465.64	
10/29/01 11:13:30 AM	0.9083	1465.65	
10/29/01 11:14:00 AM	0.9167	1465.66	
10/29/01 11:14:30 AM	0.9250	1465.65	
10/29/01 11:15:00 AM	0.9333	1465.65	
10/29/01 11:15:30 AM	0.9417	1465.66	
10/29/01 11:16:00 AM	0.9500	1465.65	
10/29/01 11:16:30 AM	0.9583	1465.66	
10/29/01 11:17:00 AM	0.9667	1465.67	
10/29/01 11:17:30 AM	0.9750	1465.67	
10/29/01 11:18:00 AM	0.9833	1465.67	
10/29/01 11:18:30 AM	0.9917	1465.67	
10/29/01 11:19:00 AM	1.0000	1465.66	
10/29/01 11:19:30 AM	1.0083	1465.66	
10/29/01 11:20:00 AM	1.0167	1465.67	
10/29/01 11:20:30 AM	1.0250	1465.68	
10/29/01 11:21:00 AM	1.0333	1465.68	
10/29/01 11:21:30 AM	1.0417	1465.68	
10/29/01 11:22:00 AM	1.0500	1465.68	
10/29/01 11:22:30 AM	1.0583	1465.69	
10/29/01 11:23:00 AM	1.0667	1465.69	
10/29/01 11:23:30 AM	1.0750	1465.68	
10/29/01 11:24:00 AM	1.0833	1465.69	
10/29/01 11:24:30 AM	1.0917	1465.69	
10/29/01 11:25:00 AM	1.1000	1465.69	
10/29/01 11:25:30 AM	1.1083	1465.69	
10/29/01 11:26:00 AM	1.1167	1465.70	
10/29/01 11:26:30 AM	1.1250	1465.70	
10/29/01 11:27:00 AM	1.1333	1465.69	
10/29/01 11:27:30 AM	1.1417	1465.71	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 11:28:00 AM	1.1500	1465.70	
10/29/01 11:28:30 AM	1.1583	1465.70	
10/29/01 11:29:00 AM	1.1667	1465.71	
10/29/01 11:29:30 AM	1.1750	1465.71	
10/29/01 11:29:31 AM			START 1ST RATE @ 270 BPD
10/29/01 11:30:00 AM	1.1833	1467.43	
10/29/01 11:30:30 AM	1.1917	1478.02	
10/29/01 11:31:00 AM	1.2000	1485.83	
10/29/01 11:31:30 AM	1.2083	1491.51	
10/29/01 11:32:00 AM	1.2167	1496.36	
10/29/01 11:32:30 AM	1.2250	1500.92	
10/29/01 11:33:00 AM	1.2333	1504.98	
10/29/01 11:33:30 AM	1.2417	1508.68	
10/29/01 11:34:00 AM	1.2500	1512.23	
10/29/01 11:34:30 AM	1.2583	1515.51	
10/29/01 11:35:00 AM	1.2667	1518.67	
10/29/01 11:35:30 AM	1.2750	1521.67	
10/29/01 11:36:00 AM	1.2833	1524.54	
10/29/01 11:36:30 AM	1.2917	1527.31	
10/29/01 11:37:00 AM	1.3000	1529.91	
10/29/01 11:37:30 AM	1.3083	1532.40	
10/29/01 11:38:00 AM	1.3167	1534.86	
10/29/01 11:38:30 AM	1.3250	1537.28	
10/29/01 11:39:00 AM	1.3333	1539.63	
10/29/01 11:39:30 AM	1.3417	1541.88	
10/29/01 11:40:00 AM	1.3500	1544.04	
10/29/01 11:40:30 AM	1.3583	1546.21	
10/29/01 11:41:00 AM	1.3667	1548.31	
10/29/01 11:41:30 AM	1.3750	1550.39	
10/29/01 11:42:00 AM	1.3833	1552.43	
10/29/01 11:42:30 AM	1.3917	1554.38	
10/29/01 11:43:00 AM	1.4000	1556.30	
10/29/01 11:43:30 AM	1.4083	1558.18	
10/29/01 11:44:00 AM	1.4167	1560.05	
10/29/01 11:44:30 AM	1.4250	1561.84	
10/29/01 11:45:00 AM	1.4333	1563.62	
10/29/01 11:45:00 AM			CONTINUE 1ST RATE
10/29/01 11:45:30 AM	1.4417	1565.36	
10/29/01 11:46:00 AM	1.4500	1567.09	
10/29/01 11:46:30 AM	1.4583	1568.79	
10/29/01 11:47:00 AM	1.4667	1570.45	
10/29/01 11:47:30 AM	1.4750	1572.14	
10/29/01 11:48:00 AM	1.4833	1573.75	
10/29/01 11:48:30 AM	1.4917	1575.40	
10/29/01 11:49:00 AM	1.5000	1576.98	
10/29/01 11:49:30 AM	1.5083	1578.58	
10/29/01 11:50:00 AM	1.5167	1580.14	
10/29/01 11:50:30 AM	1.5250	1581.64	
10/29/01 11:51:00 AM	1.5333	1583.17	
10/29/01 11:51:30 AM	1.5417	1584.60	
10/29/01 11:52:00 AM	1.5500	1586.04	
10/29/01 11:52:30 AM	1.5583	1587.46	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 11:53:00 AM	1.5667	1588.87
10/29/01 11:53:30 AM	1.5750	1590.26
10/29/01 11:54:00 AM	1.5833	1591.64
10/29/01 11:54:30 AM	1.5917	1593.04
10/29/01 11:55:00 AM	1.6000	1594.41
10/29/01 11:55:30 AM	1.6083	1595.73
10/29/01 11:56:00 AM	1.6167	1597.11
10/29/01 11:56:30 AM	1.6250	1598.43
10/29/01 11:57:00 AM	1.6333	1599.78
10/29/01 11:57:30 AM	1.6417	1601.10
10/29/01 11:58:00 AM	1.6500	1602.37
10/29/01 11:58:30 AM	1.6583	1603.64
10/29/01 11:59:00 AM	1.6667	1604.92
10/29/01 11:59:30 AM	1.6750	1606.17
10/29/01 12:00:00 PM	1.6833	1607.40
10/29/01 12:00:00 PM		
10/29/01 12:00:30 PM	1.6917	1608.59
10/29/01 12:01:00 PM	1.7000	1610.87
10/29/01 12:01:30 PM	1.7083	1612.53
10/29/01 12:02:00 PM	1.7167	1614.23
10/29/01 12:02:30 PM	1.7250	1615.80
10/29/01 12:03:00 PM	1.7333	1617.25
10/29/01 12:03:30 PM	1.7417	1618.78
10/29/01 12:04:00 PM	1.7500	1620.13
10/29/01 12:04:30 PM	1.7583	1620.98
10/29/01 12:05:00 PM	1.7667	1621.77
10/29/01 12:05:30 PM	1.7750	1622.70
10/29/01 12:06:00 PM	1.7833	1623.73
10/29/01 12:06:30 PM	1.7917	1624.80
10/29/01 12:07:00 PM	1.8000	1625.91
10/29/01 12:07:30 PM	1.8083	1626.92
10/29/01 12:08:00 PM	1.8167	1627.97
10/29/01 12:08:30 PM	1.8250	1628.93
10/29/01 12:09:00 PM	1.8333	1629.95
10/29/01 12:09:30 PM	1.8417	1630.94
10/29/01 12:10:00 PM	1.8500	1632.01
10/29/01 12:10:30 PM	1.8583	1633.08
10/29/01 12:11:00 PM	1.8667	1634.08
10/29/01 12:11:30 PM	1.8750	1635.05
10/29/01 12:12:00 PM	1.8833	1636.03
10/29/01 12:12:30 PM	1.8917	1637.04
10/29/01 12:13:00 PM	1.9000	1638.10
10/29/01 12:13:30 PM	1.9083	1639.14
10/29/01 12:14:00 PM	1.9167	1640.13
10/29/01 12:14:30 PM	1.9250	1641.11
10/29/01 12:15:00 PM	1.9333	1642.06
10/29/01 12:15:00 PM		
10/29/01 12:15:30 PM	1.9417	1643.06
10/29/01 12:16:00 PM	1.9500	1644.08
10/29/01 12:16:30 PM	1.9583	1645.10
10/29/01 12:17:00 PM	1.9667	1646.11
10/29/01 12:17:30 PM	1.9750	1647.09

END 1ST RATE, START 2ND RATE @ 350 BPD

CONTINUE 2ND RATE

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 12:18:00 PM	1.9833	1648.00
10/29/01 12:18:30 PM	1.9917	1648.95
10/29/01 12:19:00 PM	2.0000	1649.90
10/29/01 12:19:30 PM	2.0083	1650.91
10/29/01 12:20:00 PM	2.0167	1651.83
10/29/01 12:20:30 PM	2.0250	1652.77
10/29/01 12:21:00 PM	2.0333	1653.61
10/29/01 12:21:30 PM	2.0417	1654.55
10/29/01 12:22:00 PM	2.0500	1655.44
10/29/01 12:22:30 PM	2.0583	1656.44
10/29/01 12:23:00 PM	2.0667	1657.35
10/29/01 12:23:30 PM	2.0750	1658.25
10/29/01 12:24:00 PM	2.0833	1659.11
10/29/01 12:24:30 PM	2.0917	1659.98
10/29/01 12:25:00 PM	2.1000	1660.87
10/29/01 12:25:30 PM	2.1083	1661.79
10/29/01 12:26:00 PM	2.1167	1662.70
10/29/01 12:26:30 PM	2.1250	1663.61
10/29/01 12:27:00 PM	2.1333	1664.45
10/29/01 12:27:30 PM	2.1417	1665.28
10/29/01 12:28:00 PM	2.1500	1666.15
10/29/01 12:28:30 PM	2.1583	1667.03
10/29/01 12:29:00 PM	2.1667	1667.92
10/29/01 12:29:30 PM	2.1750	1668.76
10/29/01 12:30:00 PM	2.1833	1669.61
10/29/01 12:30:30 PM	2.1917	1670.39
10/29/01 12:30:31 PM		END 2ND RATE, START 3RD RATE @ 435 BPD
10/29/01 12:31:00 PM	2.2000	1671.23
10/29/01 12:31:30 PM	2.2083	1673.09
10/29/01 12:32:00 PM	2.2167	1674.64
10/29/01 12:32:30 PM	2.2250	1676.29
10/29/01 12:33:00 PM	2.2333	1677.69
10/29/01 12:33:30 PM	2.2417	1679.02
10/29/01 12:34:00 PM	2.2500	1680.27
10/29/01 12:34:30 PM	2.2583	1681.49
10/29/01 12:35:00 PM	2.2667	1682.71
10/29/01 12:35:30 PM	2.2750	1683.87
10/29/01 12:36:00 PM	2.2833	1684.99
10/29/01 12:36:30 PM	2.2917	1686.12
10/29/01 12:37:00 PM	2.3000	1687.22
10/29/01 12:37:30 PM	2.3083	1688.30
10/29/01 12:38:00 PM	2.3167	1689.37
10/29/01 12:38:30 PM	2.3250	1690.45
10/29/01 12:39:00 PM	2.3333	1691.50
10/29/01 12:39:30 PM	2.3417	1692.54
10/29/01 12:40:00 PM	2.3500	1693.58
10/29/01 12:40:30 PM	2.3583	1694.57
10/29/01 12:41:00 PM	2.3667	1695.56
10/29/01 12:41:30 PM	2.3750	1696.53
10/29/01 12:42:00 PM	2.3833	1697.50
10/29/01 12:42:30 PM	2.3917	1698.49
10/29/01 12:43:00 PM	2.4000	1699.42

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 12:43:30 PM	2.4083	1700.35	
10/29/01 12:44:00 PM	2.4167	1701.30	
10/29/01 12:44:30 PM	2.4250	1702.23	
10/29/01 12:45:00 PM			CONTINUE 3RD RATE
10/29/01 12:45:00 PM	2.4333	1703.17	
10/29/01 12:45:30 PM	2.4417	1704.07	
10/29/01 12:46:00 PM	2.4500	1705.00	
10/29/01 12:46:30 PM	2.4583	1705.92	
10/29/01 12:47:00 PM	2.4667	1706.82	
10/29/01 12:47:30 PM	2.4750	1707.75	
10/29/01 12:48:00 PM	2.4833	1708.65	
10/29/01 12:48:30 PM	2.4917	1709.56	
10/29/01 12:49:00 PM	2.5000	1710.48	
10/29/01 12:49:30 PM	2.5083	1711.39	
10/29/01 12:50:00 PM	2.5167	1712.28	
10/29/01 12:50:30 PM	2.5250	1713.14	
10/29/01 12:51:00 PM	2.5333	1714.04	
10/29/01 12:51:30 PM	2.5417	1714.89	
10/29/01 12:52:00 PM	2.5500	1715.76	
10/29/01 12:52:30 PM	2.5583	1716.60	
10/29/01 12:53:00 PM	2.5667	1717.50	
10/29/01 12:53:30 PM	2.5750	1718.31	
10/29/01 12:54:00 PM	2.5833	1719.17	
10/29/01 12:54:30 PM	2.5917	1720.02	
10/29/01 12:55:00 PM	2.6000	1720.84	
10/29/01 12:55:30 PM	2.6083	1721.68	
10/29/01 12:56:00 PM	2.6167	1722.51	
10/29/01 12:56:30 PM	2.6250	1723.35	
10/29/01 12:57:00 PM	2.6333	1724.17	
10/29/01 12:57:30 PM	2.6417	1724.98	
10/29/01 12:58:00 PM	2.6500	1725.82	
10/29/01 12:58:30 PM	2.6583	1726.63	
10/29/01 12:59:00 PM	2.6667	1727.48	
10/29/01 12:59:30 PM	2.6750	1728.29	
10/29/01 1:00:00 PM	2.6833	1729.12	
10/29/01 01:00:01 PM			END 3RD RATE, START 4TH RATE @ 544 BPD
10/29/01 1:00:30 PM	2.6917	1730.93	
10/29/01 1:01:00 PM	2.7000	1733.54	
10/29/01 1:01:30 PM	2.7083	1735.63	
10/29/01 1:02:00 PM	2.7167	1737.26	
10/29/01 1:02:30 PM	2.7250	1738.97	
10/29/01 1:03:00 PM	2.7333	1740.44	
10/29/01 1:03:30 PM	2.7417	1741.78	
10/29/01 1:04:00 PM	2.7500	1743.31	
10/29/01 1:04:30 PM	2.7583	1744.60	
10/29/01 1:05:00 PM	2.7667	1745.90	
10/29/01 1:05:30 PM	2.7750	1747.28	
10/29/01 01:06:00 PM	2.7833	1748.40	
10/29/01 1:06:30 PM	2.7917	1749.69	
10/29/01 1:07:00 PM	2.8000	1750.96	
10/29/01 1:07:30 PM	2.8083	1752.03	
10/29/01 1:08:00 PM	2.8167	1753.30	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 1:08:30 PM	2.8250	1754.40	
10/29/01 1:09:00 PM	2.8333	1755.51	
10/29/01 1:09:30 PM	2.8417	1756.77	
10/29/01 1:10:00 PM	2.8500	1757.75	
10/29/01 1:10:30 PM	2.8583	1758.85	
10/29/01 1:11:00 PM	2.8667	1760.02	
10/29/01 1:11:30 PM	2.8750	1760.98	
10/29/01 1:12:00 PM	2.8833	1762.16	
10/29/01 1:12:30 PM	2.8917	1763.24	
10/29/01 1:13:00 PM	2.9000	1764.17	
10/29/01 1:13:30 PM	2.9083	1765.37	
10/29/01 01:14:00 PM	2.9167	1766.32	
10/29/01 1:14:30 PM	2.9250	1767.30	
10/29/01 01:15:00 PM			CONTINUE 4TH RATE
10/29/01 1:15:00 PM	2.9333	1768.43	
10/29/01 1:15:30 PM	2.9417	1769.31	
10/29/01 1:16:00 PM	2.9500	1770.33	
10/29/01 1:16:30 PM	2.9583	1771.41	
10/29/01 1:17:00 PM	2.9667	1772.25	
10/29/01 1:17:30 PM	2.9750	1773.35	
10/29/01 1:18:00 PM	2.9833	1774.28	
10/29/01 1:18:30 PM	2.9917	1775.10	
10/29/01 1:19:00 PM	3.0000	1776.21	
10/29/01 1:19:30 PM	3.0083	1777.12	
10/29/01 1:20:00 PM	3.0167	1778.08	
10/29/01 1:20:30 PM	3.0250	1779.05	
10/29/01 1:21:00 PM	3.0333	1779.83	
10/29/01 1:21:30 PM	3.0417	1780.82	
10/29/01 1:22:00 PM	3.0500	1781.87	
10/29/01 01:22:30 PM	3.0583	1782.63	
10/29/01 1:23:00 PM	3.0667	1783.62	
10/29/01 1:23:30 PM	3.0750	1784.55	
10/29/01 1:24:00 PM	3.0833	1785.32	
10/29/01 1:24:30 PM	3.0917	1786.45	
10/29/01 1:25:00 PM	3.1000	1787.24	
10/29/01 1:25:30 PM	3.1083	1788.08	
10/29/01 1:26:00 PM	3.1167	1789.06	
10/29/01 1:26:30 PM	3.1250	1789.83	
10/29/01 1:27:00 PM	3.1333	1790.78	
10/29/01 1:27:30 PM	3.1417	1791.74	
10/29/01 1:28:00 PM	3.1500	1792.50	
10/29/01 1:28:30 PM	3.1583	1793.40	
10/29/01 01:29:00 PM	3.1667	1794.30	
10/29/01 1:29:30 PM	3.1750	1795.13	
10/29/01 1:30:00 PM	3.1833	1796.08	
10/29/01 1:30:30 PM	3.1917	1796.81	
10/29/01 01:30:31 PM			END 4TH RATE, START 5TH RATE @ 660 BPD
10/29/01 1:31:00 PM	3.2000	1797.56	
10/29/01 1:31:30 PM	3.2083	1798.58	
10/29/01 1:32:00 PM	3.2167	1799.36	
10/29/01 1:32:30 PM	3.2250	1801.38	
10/29/01 1:33:00 PM	3.2333	1804.18	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 1:33:30 PM	3.2417	1805.96	
10/29/01 1:34:00 PM	3.2500	1808.07	
10/29/01 1:34:30 PM	3.2583	1809.96	
10/29/01 1:35:00 PM	3.2667	1811.83	
10/29/01 1:35:30 PM	3.2750	1813.57	
10/29/01 1:36:00 PM	3.2833	1815.11	
10/29/01 1:36:30 PM	3.2917	1816.61	
10/29/01 01:37:00 PM	3.3000	1818.02	
10/29/01 1:37:30 PM	3.3083	1819.45	
10/29/01 1:38:00 PM	3.3167	1820.83	
10/29/01 1:38:30 PM	3.3250	1822.24	
10/29/01 1:39:00 PM	3.3333	1823.54	
10/29/01 1:39:30 PM	3.3417	1824.91	
10/29/01 1:40:00 PM	3.3500	1826.17	
10/29/01 1:40:30 PM	3.3583	1827.37	
10/29/01 1:41:00 PM	3.3667	1828.58	
10/29/01 1:41:30 PM	3.3750	1829.75	
10/29/01 1:42:00 PM	3.3833	1830.89	
10/29/01 1:42:30 PM	3.3917	1832.03	
10/29/01 1:43:00 PM	3.4000	1833.23	
10/29/01 1:43:30 PM	3.4083	1834.50	
10/29/01 1:44:00 PM	3.4167	1835.68	
10/29/01 1:44:30 PM	3.4250	1836.83	
10/29/01 01:45:00 PM			CONTINUE 5TH RATE
10/29/01 1:45:00 PM	3.4333	1837.97	
10/29/01 1:45:30 PM	3.4417	1839.16	
10/29/01 01:46:00 PM	3.4500	1840.32	
10/29/01 1:46:30 PM	3.4583	1841.49	
10/29/01 1:47:00 PM	3.4667	1842.66	
10/29/01 1:47:30 PM	3.4750	1843.83	
10/29/01 1:48:00 PM	3.4833	1844.89	
10/29/01 1:48:30 PM	3.4917	1846.12	
10/29/01 1:49:00 PM	3.5000	1847.23	
10/29/01 1:49:30 PM	3.5083	1848.22	
10/29/01 1:50:00 PM	3.5167	1849.26	
10/29/01 1:50:30 PM	3.5250	1850.28	
10/29/01 1:51:00 PM	3.5333	1851.33	
10/29/01 1:51:30 PM	3.5417	1852.42	
10/29/01 1:52:00 PM	3.5500	1853.41	
10/29/01 1:52:30 PM	3.5583	1854.50	
10/29/01 1:53:00 PM	3.5667	1855.48	
10/29/01 01:53:30 PM	3.5750	1856.46	
10/29/01 1:54:00 PM	3.5833	1857.38	
10/29/01 1:54:30 PM	3.5917	1858.35	
10/29/01 1:55:00 PM	3.6000	1859.30	
10/29/01 1:55:30 PM	3.6083	1860.31	
10/29/01 1:56:00 PM	3.6167	1861.34	
10/29/01 1:56:30 PM	3.6250	1862.37	
10/29/01 1:57:00 PM	3.6333	1863.37	
10/29/01 1:57:30 PM	3.6417	1864.23	
10/29/01 1:58:00 PM	3.6500	1865.22	
10/29/01 1:58:30 PM	3.6583	1866.33	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 1:59:00 PM	3.6667	1867.33	
10/29/01 1:59:30 PM	3.6750	1868.33	
10/29/01 2:00:00 PM	3.6833	1869.35	
10/29/01 2:00:30 PM	3.6917	1870.33	
10/29/01 02:00:31 PM			END 5TH RATE, START 6TH RATE @ 738 BPD
10/29/01 02:01:00 PM	3.7000	1866.99	
10/29/01 2:01:30 PM	3.7083	1871.66	
10/29/01 2:02:00 PM	3.7167	1874.58	
10/29/01 2:02:30 PM	3.7250	1876.89	
10/29/01 2:03:00 PM	3.7333	1878.83	
10/29/01 2:03:30 PM	3.7417	1880.78	
10/29/01 2:04:00 PM	3.7500	1882.37	
10/29/01 2:04:30 PM	3.7583	1884.23	
10/29/01 2:05:00 PM	3.7667	1885.66	
10/29/01 2:05:30 PM	3.7750	1887.35	
10/29/01 2:06:00 PM	3.7833	1888.76	
10/29/01 2:06:30 PM	3.7917	1890.33	
10/29/01 2:07:00 PM	3.8000	1891.71	
10/29/01 2:07:30 PM	3.8083	1893.20	
10/29/01 02:08:00 PM	3.8167	1894.38	
10/29/01 2:08:30 PM	3.8250	1895.96	
10/29/01 2:09:00 PM	3.8333	1897.11	
10/29/01 2:09:30 PM	3.8417	1898.67	
10/29/01 2:10:00 PM	3.8500	1899.81	
10/29/01 2:10:30 PM	3.8583	1901.25	
10/29/01 2:11:00 PM	3.8667	1902.46	
10/29/01 2:11:30 PM	3.8750	1903.71	
10/29/01 2:12:00 PM	3.8833	1904.95	
10/29/01 2:12:30 PM	3.8917	1906.15	
10/29/01 2:13:00 PM	3.9000	1907.52	
10/29/01 2:13:30 PM	3.9083	1908.59	
10/29/01 2:14:00 PM	3.9167	1909.88	
10/29/01 2:14:30 PM	3.9250	1910.93	
10/29/01 02:15:00 PM			CONTINUE 6TH RATE
10/29/01 2:15:00 PM	3.9333	1912.21	
10/29/01 2:15:30 PM	3.9417	1913.34	
10/29/01 2:16:00 PM	3.9500	1914.62	
10/29/01 2:16:30 PM	3.9583	1915.67	
10/29/01 02:17:00 PM	3.9667	1916.94	
10/29/01 2:17:30 PM	3.9750	1917.92	
10/29/01 2:18:00 PM	3.9833	1919.22	
10/29/01 2:18:30 PM	3.9917	1920.14	
10/29/01 2:19:00 PM	4.0000	1921.49	
10/29/01 2:19:30 PM	4.0083	1922.51	
10/29/01 2:20:00 PM	4.0167	1923.73	
10/29/01 2:20:30 PM	4.0250	1924.85	
10/29/01 2:21:00 PM	4.0333	1925.95	
10/29/01 2:21:30 PM	4.0417	1927.05	
10/29/01 2:22:00 PM	4.0500	1928.02	
10/29/01 2:22:30 PM	4.0583	1929.13	
10/29/01 2:23:00 PM	4.0667	1930.15	
10/29/01 2:23:30 PM	4.0750	1931.35	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 02:24:00 PM	4.0833	1932.29	
10/29/01 2:24:30 PM	4.0917	1933.47	
10/29/01 2:25:00 PM	4.1000	1934.43	
10/29/01 2:25:30 PM	4.1083	1935.55	
10/29/01 2:26:00 PM	4.1167	1936.52	
10/29/01 2:26:30 PM	4.1250	1937.66	
10/29/01 2:27:00 PM	4.1333	1938.51	
10/29/01 2:27:30 PM	4.1417	1939.76	
10/29/01 2:28:00 PM	4.1500	1940.50	
10/29/01 2:28:30 PM	4.1583	1941.77	
10/29/01 2:29:00 PM	4.1667	1942.61	
10/29/01 2:29:30 PM	4.1750	1943.76	
10/29/01 2:30:00 PM	4.1833	1944.67	
10/29/01 02:30:01 PM			END 6TH RATE, START 7TH RATE @ 890 BPD
10/29/01 2:30:30 PM	4.1917	1945.65	
10/29/01 2:31:00 PM	4.2000	1948.29	
10/29/01 2:31:30 PM	4.2083	1951.17	
10/29/01 2:32:00 PM	4.2167	1953.34	
10/29/01 2:32:30 PM	4.2250	1955.47	
10/29/01 02:33:00 PM	4.2333	1957.37	
10/29/01 2:33:30 PM	4.2417	1959.19	
10/29/01 2:34:00 PM	4.2500	1960.84	
10/29/01 2:34:30 PM	4.2583	1962.51	
10/29/01 2:35:00 PM	4.2667	1964.08	
10/29/01 2:35:30 PM	4.2750	1965.70	
10/29/01 2:36:00 PM	4.2833	1967.27	
10/29/01 2:36:30 PM	4.2917	1968.76	
10/29/01 2:37:00 PM	4.3000	1970.29	
10/29/01 2:37:30 PM	4.3083	1971.66	
10/29/01 2:38:00 PM	4.3167	1973.12	
10/29/01 2:38:30 PM	4.3250	1974.51	
10/29/01 02:39:00 PM	4.3333	1975.95	
10/29/01 2:39:30 PM	4.3417	1977.35	
10/29/01 2:40:00 PM	4.3500	1978.75	
10/29/01 2:40:30 PM	4.3583	1980.05	
10/29/01 2:41:00 PM	4.3667	1981.37	
10/29/01 2:41:30 PM	4.3750	1982.67	
10/29/01 2:42:00 PM	4.3833	1983.95	
10/29/01 2:42:30 PM	4.3917	1985.31	
10/29/01 2:43:00 PM	4.4000	1986.61	
10/29/01 2:43:30 PM	4.4083	1987.92	
10/29/01 2:44:00 PM	4.4167	1989.11	
10/29/01 2:44:30 PM	4.4250	1990.34	
10/29/01 02:45:00 PM			CONTINUE 7TH RATE
10/29/01 2:45:00 PM	4.4333	1991.56	
10/29/01 2:45:30 PM	4.4417	1992.84	
10/29/01 2:46:00 PM	4.4500	1994.09	
10/29/01 2:46:30 PM	4.4583	1995.33	
10/29/01 2:47:00 PM	4.4667	1996.52	
10/29/01 2:47:30 PM	4.4750	1997.69	
10/29/01 2:48:00 PM	4.4833	1998.86	
10/29/01 2:48:30 PM	4.4917	2000.02	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 2:49:00 PM	4.5000	2001.26	
10/29/01 2:49:30 PM	4.5083	2002.41	
10/29/01 02:50:00 PM	4.5167	2003.62	
10/29/01 2:50:30 PM	4.5250	2004.73	
10/29/01 2:51:00 PM	4.5333	2005.84	
10/29/01 2:51:30 PM	4.5417	2006.96	
10/29/01 2:52:00 PM	4.5500	2008.10	
10/29/01 2:52:30 PM	4.5583	2009.30	
10/29/01 2:53:00 PM	4.5667	2010.41	
10/29/01 2:53:30 PM	4.5750	2011.57	
10/29/01 2:54:00 PM	4.5833	2012.62	
10/29/01 2:54:30 PM	4.5917	2013.72	
10/29/01 2:55:00 PM	4.6000	2014.80	
10/29/01 02:55:30 PM	4.6083	2015.96	
10/29/01 2:56:00 PM	4.6167	2017.14	
10/29/01 2:56:30 PM	4.6250	2018.27	
10/29/01 2:57:00 PM	4.6333	2019.43	
10/29/01 2:57:30 PM	4.6417	2020.56	
10/29/01 2:58:00 PM	4.6500	2021.62	
10/29/01 2:58:30 PM	4.6583	2022.72	
10/29/01 2:59:00 PM	4.6667	2023.88	
10/29/01 2:59:30 PM	4.6750	2024.96	
10/29/01 3:00:00 PM	4.6833	2026.12	
10/29/01 3:00:30 PM	4.6917	2027.15	
10/29/01 03:00:31 PM			END 7TH RATE, START 8TH RATE @ 933 BPD
10/29/01 3:01:00 PM	4.7000	2028.23	
10/29/01 3:01:30 PM	4.7083	2031.42	
10/29/01 3:02:00 PM	4.7167	2033.31	
10/29/01 3:02:30 PM	4.7250	2035.14	
10/29/01 3:03:00 PM	4.7333	2036.73	
10/29/01 3:03:30 PM	4.7417	2037.91	
10/29/01 3:04:00 PM	4.7500	2039.08	
10/29/01 3:04:30 PM	4.7583	2040.34	
10/29/01 03:05:00 PM	4.7667	2041.57	
10/29/01 3:05:30 PM	4.7750	2042.83	
10/29/01 3:06:00 PM	4.7833	2044.03	
10/29/01 3:06:30 PM	4.7917	2045.28	
10/29/01 3:07:00 PM	4.8000	2046.55	
10/29/01 3:07:30 PM	4.8083	2047.76	
10/29/01 3:08:00 PM	4.8167	2049.04	
10/29/01 3:08:30 PM	4.8250	2050.19	
10/29/01 3:09:00 PM	4.8333	2051.44	
10/29/01 3:09:30 PM	4.8417	2052.57	
10/29/01 03:10:00 PM	4.8500	2053.74	
10/29/01 3:10:30 PM	4.8583	2054.94	
10/29/01 3:11:00 PM	4.8667	2056.10	
10/29/01 3:11:30 PM	4.8750	2057.32	
10/29/01 3:12:00 PM	4.8833	2058.45	
10/29/01 3:12:30 PM	4.8917	2059.56	
10/29/01 3:13:00 PM	4.9000	2060.71	
10/29/01 3:13:30 PM	4.9083	2061.80	
10/29/01 3:14:00 PM	4.9167	2062.98	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 3:14:30 PM	4.9250	2064.13	
10/29/01 03:15:00 PM			CONTINUE 8TH RATE
10/29/01 3:15:00 PM	4.9333	2065.32	
10/29/01 3:15:30 PM	4.9417	2066.43	
10/29/01 3:16:00 PM	4.9500	2067.51	
10/29/01 3:16:30 PM	4.9583	2068.62	
10/29/01 3:17:00 PM	4.9667	2069.67	
10/29/01 3:17:30 PM	4.9750	2070.80	
10/29/01 3:18:00 PM	4.9833	2071.84	
10/29/01 3:18:30 PM	4.9917	2072.93	
10/29/01 3:19:00 PM	5.0000	2074.05	
10/29/01 3:19:30 PM	5.0083	2075.07	
10/29/01 3:20:00 PM	5.0167	2076.18	
10/29/01 3:20:30 PM	5.0250	2077.16	
10/29/01 3:21:00 PM	5.0333	2078.21	
10/29/01 3:21:30 PM	5.0417	2079.31	
10/29/01 03:22:00 PM	5.0500	2080.37	
10/29/01 3:22:30 PM	5.0583	2081.48	
10/29/01 3:23:00 PM	5.0667	2082.52	
10/29/01 3:23:30 PM	5.0750	2083.62	
10/29/01 3:24:00 PM	5.0833	2084.69	
10/29/01 3:24:30 PM	5.0917	2085.74	
10/29/01 3:25:00 PM	5.1000	2086.84	
10/29/01 3:25:30 PM	5.1083	2087.89	
10/29/01 3:26:00 PM	5.1167	2088.99	
10/29/01 03:26:30 PM	5.1250	2090.02	
10/29/01 3:27:00 PM	5.1333	2091.01	
10/29/01 3:27:30 PM	5.1417	2092.06	
10/29/01 3:28:00 PM	5.1500	2093.06	
10/29/01 3:28:30 PM	5.1583	2094.14	
10/29/01 3:29:00 PM	5.1667	2095.13	
10/29/01 3:29:30 PM	5.1750	2096.16	
10/29/01 3:30:00 PM	5.1833	2097.19	
10/29/01 3:30:30 PM	5.1917	2098.18	
10/29/01 03:30:31 PM			END 8TH RATE, START 9TH RATE @ 1050 BPD
10/29/01 3:31:00 PM	5.2000	2099.24	
10/29/01 3:31:30 PM	5.2083	2104.01	
10/29/01 3:32:00 PM	5.2167	2107.19	
10/29/01 3:32:30 PM	5.2250	2109.81	
10/29/01 3:33:00 PM	5.2333	2112.18	
10/29/01 3:33:30 PM	5.2417	2114.38	
10/29/01 3:34:00 PM	5.2500	2116.49	
10/29/01 3:34:30 PM	5.2583	2118.50	
10/29/01 3:35:00 PM	5.2667	2120.41	
10/29/01 3:35:30 PM	5.2750	2122.24	
10/29/01 3:36:00 PM	5.2833	2124.10	
10/29/01 3:36:30 PM	5.2917	2125.81	
10/29/01 03:37:00 PM	5.3000	2127.53	
10/29/01 3:37:30 PM	5.3083	2129.22	
10/29/01 3:38:00 PM	5.3167	2130.89	
10/29/01 3:38:30 PM	5.3250	2132.47	
10/29/01 3:39:00 PM	5.3333	2134.09	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 3:39:30 PM	5.3417	2135.69	
10/29/01 3:40:00 PM	5.3500	2137.24	
10/29/01 3:40:30 PM	5.3583	2138.76	
10/29/01 03:41:00 PM	5.3667	2140.28	
10/29/01 3:41:30 PM	5.3750	2141.86	
10/29/01 3:42:00 PM	5.3833	2143.37	
10/29/01 3:42:30 PM	5.3917	2144.86	
10/29/01 3:43:00 PM	5.4000	2146.33	
10/29/01 3:43:30 PM	5.4083	2147.79	
10/29/01 3:44:00 PM	5.4167	2149.25	
10/29/01 3:44:30 PM	5.4250	2150.65	
10/29/01 03:45:00 PM			CONTINUE 9TH RATE
10/29/01 3:45:00 PM	5.4333	2152.07	
10/29/01 3:45:30 PM	5.4417	2153.46	
10/29/01 3:46:00 PM	5.4500	2154.91	
10/29/01 3:46:30 PM	5.4583	2156.24	
10/29/01 3:47:00 PM	5.4667	2157.61	
10/29/01 3:47:30 PM	5.4750	2158.99	
10/29/01 3:48:00 PM	5.4833	2160.37	
10/29/01 3:48:30 PM	5.4917	2161.68	
10/29/01 3:49:00 PM	5.5000	2163.00	
10/29/01 3:49:30 PM	5.5083	2164.34	
10/29/01 3:50:00 PM	5.5167	2165.67	
10/29/01 3:50:30 PM	5.5250	2166.97	
10/29/01 3:51:00 PM	5.5333	2168.27	
10/29/01 3:51:30 PM	5.5417	2169.59	
10/29/01 3:52:00 PM	5.5500	2170.92	
10/29/01 3:52:30 PM	5.5583	2172.25	
10/29/01 3:53:00 PM	5.5667	2173.50	
10/29/01 3:53:30 PM	5.5750	2174.79	
10/29/01 03:54:00 PM	5.5833	2176.04	
10/29/01 3:54:30 PM	5.5917	2177.32	
10/29/01 3:55:00 PM	5.6000	2178.52	
10/29/01 3:55:30 PM	5.6083	2179.81	
10/29/01 3:56:00 PM	5.6167	2181.04	
10/29/01 3:56:30 PM	5.6250	2182.28	
10/29/01 3:57:00 PM	5.6333	2183.48	
10/29/01 03:57:30 PM	5.6417	2184.73	
10/29/01 3:58:00 PM	5.6500	2185.93	
10/29/01 3:58:30 PM	5.6583	2187.14	
10/29/01 3:59:00 PM	5.6667	2188.35	
10/29/01 3:59:30 PM	5.6750	2189.53	
10/29/01 4:00:00 PM	5.6833	2190.74	
10/29/01 4:00:30 PM	5.6917	2191.15	
10/29/01 04:00:31 PM			END 9TH RATE, START 10TH RATE @ 1166 BPD
10/29/01 4:01:00 PM	5.7000	2194.54	
10/29/01 4:01:30 PM	5.7083	2196.94	
10/29/01 4:02:00 PM	5.7167	2199.04	
10/29/01 4:02:30 PM	5.7250	2200.94	
10/29/01 4:03:00 PM	5.7333	2202.79	
10/29/01 4:03:30 PM	5.7417	2204.74	
10/29/01 4:04:00 PM	5.7500	2207.36	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 4:04:30 PM	5.7583	2209.69	
10/29/01 4:05:00 PM	5.7667	2211.77	
10/29/01 4:05:30 PM	5.7750	2213.76	
10/29/01 4:06:00 PM	5.7833	2215.62	
10/29/01 4:06:30 PM	5.7917	2217.44	
10/29/01 4:07:00 PM	5.8000	2219.23	
10/29/01 4:07:30 PM	5.8083	2220.96	
10/29/01 4:08:00 PM	5.8167	2222.68	
10/29/01 4:08:30 PM	5.8250	2224.36	
10/29/01 04:09:00 PM	5.8333	2226.03	
10/29/01 4:09:30 PM	5.8417	2227.65	
10/29/01 4:10:00 PM	5.8500	2229.29	
10/29/01 4:10:30 PM	5.8583	2230.90	
10/29/01 4:11:00 PM	5.8667	2232.54	
10/29/01 4:11:30 PM	5.8750	2234.10	
10/29/01 04:12:00 PM	5.8833	2235.71	
10/29/01 4:12:30 PM	5.8917	2237.32	
10/29/01 4:13:00 PM	5.9000	2238.83	
10/29/01 4:13:30 PM	5.9083	2240.36	
10/29/01 4:14:00 PM	5.9167	2241.85	
10/29/01 4:14:30 PM	5.9250	2243.33	
10/29/01 04:15:00 PM			CONTINUE 10TH RATE
10/29/01 4:15:00 PM	5.9333	2244.81	
10/29/01 4:15:30 PM	5.9417	2246.25	
10/29/01 4:16:00 PM	5.9500	2247.64	
10/29/01 4:16:30 PM	5.9583	2249.10	
10/29/01 4:17:00 PM	5.9667	2250.46	
10/29/01 4:17:30 PM	5.9750	2251.90	
10/29/01 4:18:00 PM	5.9833	2253.28	
10/29/01 4:18:30 PM	5.9917	2254.65	
10/29/01 4:19:00 PM	6.0000	2256.01	
10/29/01 4:19:30 PM	6.0083	2257.33	
10/29/01 4:20:00 PM	6.0167	2258.68	
10/29/01 4:20:30 PM	6.0250	2260.09	
10/29/01 4:21:00 PM	6.0333	2261.47	
10/29/01 4:21:30 PM	6.0417	2262.79	
10/29/01 4:22:00 PM	6.0500	2264.11	
10/29/01 4:22:30 PM	6.0583	2265.40	
10/29/01 4:23:00 PM	6.0667	2266.66	
10/29/01 4:23:30 PM	6.0750	2268.01	
10/29/01 4:24:00 PM	6.0833	2269.28	
10/29/01 4:24:30 PM	6.0917	2270.61	
10/29/01 4:25:00 PM	6.1000	2271.86	
10/29/01 4:25:30 PM	6.1083	2273.19	
10/29/01 04:26:00 PM	6.1167	2274.48	
10/29/01 4:26:30 PM	6.1250	2275.73	
10/29/01 4:27:00 PM	6.1333	2276.98	
10/29/01 4:27:30 PM	6.1417	2278.23	
10/29/01 4:28:00 PM	6.1500	2279.52	
10/29/01 04:28:30 PM	6.1583	2280.75	
10/29/01 4:29:00 PM	6.1667	2282.08	
10/29/01 4:29:30 PM	6.1750	2283.33	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 4:30:00 PM	6.1833	2284.63	
10/29/01 4:30:30 PM	6.1917	2285.90	
10/29/01 04:30:31 PM			END 10TH RATE, START 11TH RATE @ 1244 BPD
10/29/01 4:31:00 PM	6.2000	2287.15	
10/29/01 4:31:30 PM	6.2083	2288.46	
10/29/01 4:32:00 PM	6.2167	2289.70	
10/29/01 4:32:30 PM	6.2250	2292.65	
10/29/01 4:33:00 PM	6.2333	2294.57	
10/29/01 4:33:30 PM	6.2417	2296.35	
10/29/01 4:34:00 PM	6.2500	2298.19	
10/29/01 4:34:30 PM	6.2583	2299.86	
10/29/01 4:35:00 PM	6.2667	2301.51	
10/29/01 4:35:30 PM	6.2750	2303.19	
10/29/01 4:36:00 PM	6.2833	2304.70	
10/29/01 4:36:30 PM	6.2917	2306.27	
10/29/01 4:37:00 PM	6.3000	2307.89	
10/29/01 4:37:30 PM	6.3083	2309.39	
10/29/01 4:38:00 PM	6.3167	2310.87	
10/29/01 4:38:30 PM	6.3250	2312.37	
10/29/01 4:39:00 PM	6.3333	2313.81	
10/29/01 4:39:30 PM	6.3417	2315.24	
10/29/01 4:40:00 PM	6.3500	2316.69	
10/29/01 4:40:30 PM	6.3583	2318.11	
10/29/01 04:41:00 PM	6.3667	2319.49	
10/29/01 4:41:30 PM	6.3750	2320.94	
10/29/01 4:42:00 PM	6.3833	2322.37	
10/29/01 4:42:30 PM	6.3917	2323.71	
10/29/01 04:43:00 PM	6.4000	2325.08	
10/29/01 4:43:30 PM	6.4083	2326.38	
10/29/01 4:44:00 PM	6.4167	2327.67	
10/29/01 4:44:30 PM	6.4250	2328.98	
10/29/01 04:45:00 PM			CONTINUE 11TH RATE
10/29/01 4:45:00 PM	6.4333	2330.31	
10/29/01 4:45:30 PM	6.4417	2331.65	
10/29/01 4:46:00 PM	6.4500	2332.96	
10/29/01 4:46:30 PM	6.4583	2334.26	
10/29/01 4:47:00 PM	6.4667	2335.57	
10/29/01 4:47:30 PM	6.4750	2336.96	
10/29/01 4:48:00 PM	6.4833	2338.30	
10/29/01 4:48:30 PM	6.4917	2339.47	
10/29/01 4:49:00 PM	6.5000	2340.81	
10/29/01 4:49:30 PM	6.5083	2342.05	
10/29/01 4:50:00 PM	6.5167	2343.33	
10/29/01 4:50:30 PM	6.5250	2344.59	
10/29/01 4:51:00 PM	6.5333	2345.76	
10/29/01 4:51:30 PM	6.5417	2347.02	
10/29/01 4:52:00 PM	6.5500	2348.23	
10/29/01 4:52:30 PM	6.5583	2349.38	
10/29/01 4:53:00 PM	6.5667	2350.58	
10/29/01 4:53:30 PM	6.5750	2351.78	
10/29/01 4:54:00 PM	6.5833	2352.99	
10/29/01 4:54:30 PM	6.5917	2354.24	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
10/29/01 4:55:00 PM	6.6000	2355.44	
10/29/01 4:55:30 PM	6.6083	2356.58	
10/29/01 4:56:00 PM	6.6167	2357.76	
10/29/01 4:56:30 PM	6.6250	2358.89	
10/29/01 4:57:00 PM	6.6333	2360.03	
10/29/01 4:57:30 PM	6.6417	2361.19	
10/29/01 04:58:00 PM	6.6500	2362.38	
10/29/01 4:58:30 PM	6.6583	2363.53	
10/29/01 4:59:00 PM	6.6667	2364.70	
10/29/01 04:59:30 PM	6.6750	2365.86	
10/29/01 5:00:00 PM	6.6833	2366.95	
10/29/01 5:00:30 PM	6.6917	2368.00	
10/29/01 05:00:31 PM			END 11TH RATE, START 12TH RATE @ 1360 BPD
10/29/01 5:01:00 PM	6.7000	2369.18	
10/29/01 5:01:30 PM	6.7083	2370.32	
10/29/01 5:02:00 PM	6.7167	2371.45	
10/29/01 5:02:30 PM	6.7250	2372.58	
10/29/01 5:03:00 PM	6.7333	2373.63	
10/29/01 5:03:30 PM	6.7417	2379.08	
10/29/01 5:04:00 PM	6.7500	2381.56	
10/29/01 5:04:30 PM	6.7583	2383.88	
10/29/01 5:05:00 PM	6.7667	2386.02	
10/29/01 5:05:30 PM	6.7750	2388.10	
10/29/01 5:06:00 PM	6.7833	2390.10	
10/29/01 5:06:30 PM	6.7917	2391.99	
10/29/01 5:07:00 PM	6.8000	2393.84	
10/29/01 5:07:30 PM	6.8083	2395.65	
10/29/01 5:08:00 PM	6.8167	2397.36	
10/29/01 5:08:30 PM	6.8250	2399.12	
10/29/01 5:09:00 PM	6.8333	2400.83	
10/29/01 5:09:30 PM	6.8417	2402.45	
10/29/01 5:10:00 PM	6.8500	2404.13	
10/29/01 5:10:30 PM	6.8583	2405.68	
10/29/01 5:11:00 PM	6.8667	2407.37	
10/29/01 5:11:30 PM	6.8750	2409.07	
10/29/01 5:12:00 PM	6.8833	2410.58	
10/29/01 5:12:30 PM	6.8917	2412.15	
10/29/01 05:13:00 PM	6.9000	2413.66	
10/29/01 5:13:30 PM	6.9083	2415.11	
10/29/01 05:14:00 PM	6.9167	2416.62	
10/29/01 5:14:30 PM	6.9250	2418.01	
10/29/01 05:15:00 PM			CONTINUE 12TH RATE
10/29/01 5:15:00 PM	6.9333	2419.48	
10/29/01 5:15:30 PM	6.9417	2420.94	
10/29/01 5:16:00 PM	6.9500	2422.31	
10/29/01 5:16:30 PM	6.9583	2423.74	
10/29/01 5:17:00 PM	6.9667	2425.13	
10/29/01 5:17:30 PM	6.9750	2426.51	
10/29/01 5:18:00 PM	6.9833	2427.91	
10/29/01 5:18:30 PM	6.9917	2429.20	
10/29/01 5:19:00 PM	7.0000	2430.72	
10/29/01 5:19:30 PM	7.0083	2432.20	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51243
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10/29/01 5:20:00 PM	7.0167	2433.58
10/29/01 5:20:30 PM	7.0250	2435.02
10/29/01 5:21:00 PM	7.0333	2436.26
10/29/01 5:21:30 PM	7.0417	2437.61
10/29/01 5:22:00 PM	7.0500	2438.90
10/29/01 5:22:30 PM	7.0583	2440.08
10/29/01 5:23:00 PM	7.0667	2441.43
10/29/01 5:23:30 PM	7.0750	2442.69
10/29/01 5:24:00 PM	7.0833	2443.86
10/29/01 5:24:30 PM	7.0917	2445.15
10/29/01 5:25:00 PM	7.1000	2446.36
10/29/01 5:25:30 PM	7.1083	2447.59
10/29/01 5:26:00 PM	7.1167	2448.84
10/29/01 5:26:30 PM	7.1250	2450.01
10/29/01 5:27:00 PM	7.1333	2451.25
10/29/01 5:27:30 PM	7.1417	2452.39
10/29/01 5:28:00 PM	7.1500	2453.58
10/29/01 5:28:30 PM	7.1583	2454.78
10/29/01 5:29:00 PM	7.1667	2455.95
10/29/01 5:29:30 PM	7.1750	2457.17
10/29/01 05:30:00 PM	7.1833	2458.36
10/29/01 05:30:30 PM	7.1917	2459.51
10/29/01 05:30:31 PM		

END 12TH RATE



OPERATIONS LOG

COMPANY: CONCHO OIL & GAS CORP.
LEASE: TLSAU # 48
FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
COUNTY: CHAVES
STATE: NM

898-50 = 848 P817

TEST TYPE: STEP-RATE

ENGINEER: GREG WILKES
FIELD REP: JOHN THOMPSON
JOB RUN BY: JERRY McCULLOUGH
DATA PREPARED BY: ROD DODSON
INSTRUMENT: V-90

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 51244
10/31/01	09:14:00 AM		ON LOCATION
10/31/01	09:26:00 AM		START GAUGE V-90
10/31/01	09:41:00 AM	0	IN LUBRICATOR W/ GAUGES
10/31/01	09:52:30 AM	0	ON BOTTOM* W/ GAUGES @ 2675'
10/31/01	09:59:30 AM	0	START 1ST RATE @ 233 BPD
10/31/01	10:15:00 AM	200	CONTINUE 1ST RATE
10/31/01	10:29:30 AM	342	END 1ST RATE, START 2ND RATE @ 350 BPD
10/31/01	10:45:00 AM	490	CONTINUE 2ND RATE
10/31/01	11:00:01 AM	590	END 2ND RATE, START 3RD RATE @ 466 BPD
10/31/01	11:15:00 AM	732	CONTINUE 3RD RATE
10/31/01	11:30:01 AM	844	END 3RD RATE, START 4TH RATE @ 660 BPD
10/31/01	11:45:00 AM	1013	CONTINUE 4TH RATE
10/31/01	12:00:01 PM	1100	END 4TH RATE, START 5TH RATE @ 855 BPD
10/31/01	12:15:00 PM	1280	CONTINUE 5TH RATE
10/31/01	12:29:30 PM	1384	END 5TH RATE, START 6TH RATE @ 1050 BPD
10/31/01	12:45:00 PM	1615	CONTINUE 6TH RATE
10/31/01	12:59:30 PM	1650	END 6TH RATE

AARC

PRESSURE DATA

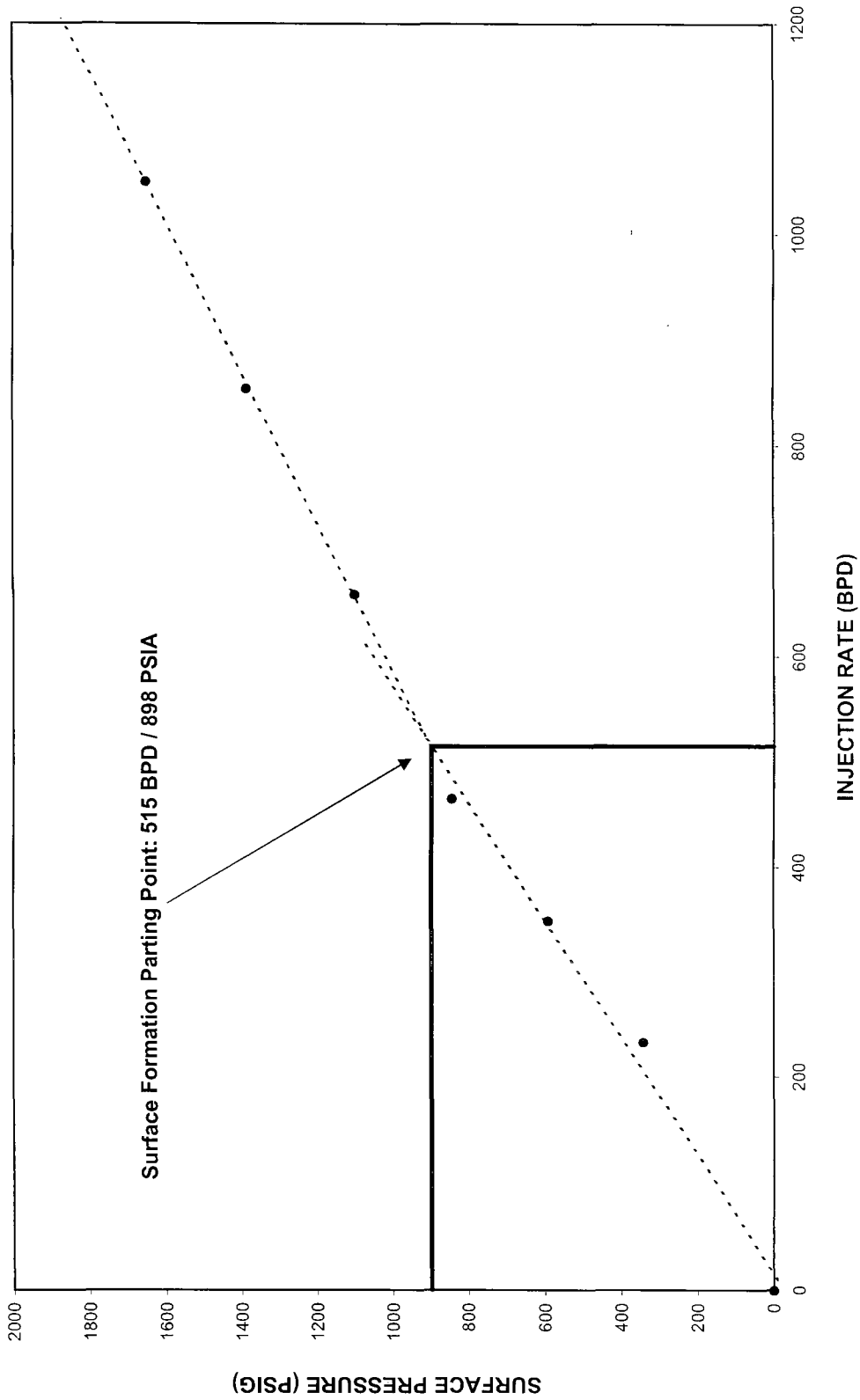
INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TILSAU
 WELL NUMBER: 48

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB #: 51244
 TEST DATE: 10/31/01

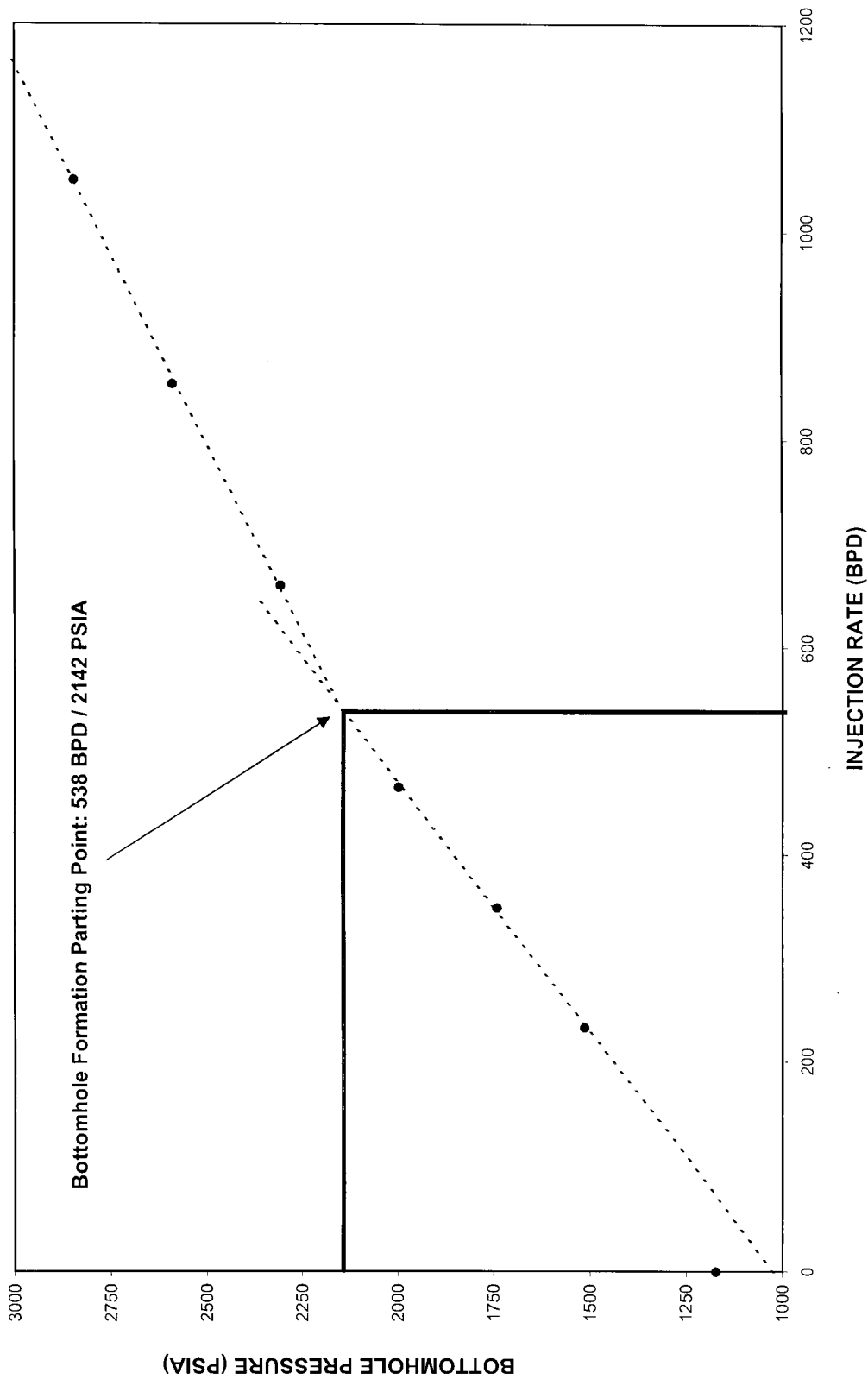
STEP-RATE TEST - WHP VS. INJECTION RATE





COMPANY:	CONCHO OIL & GAS CORP.	FIELD:	TWIN LAKES	JOB #	51244
LEASE:	TLSAU	COUNTY:	CHAVES	TEST DATE:	10/31/01
WELL NUMBER:	48	STATE:	NM		10/31/01

STEP-RATE TEST - BHP VS. INJECTION RATE



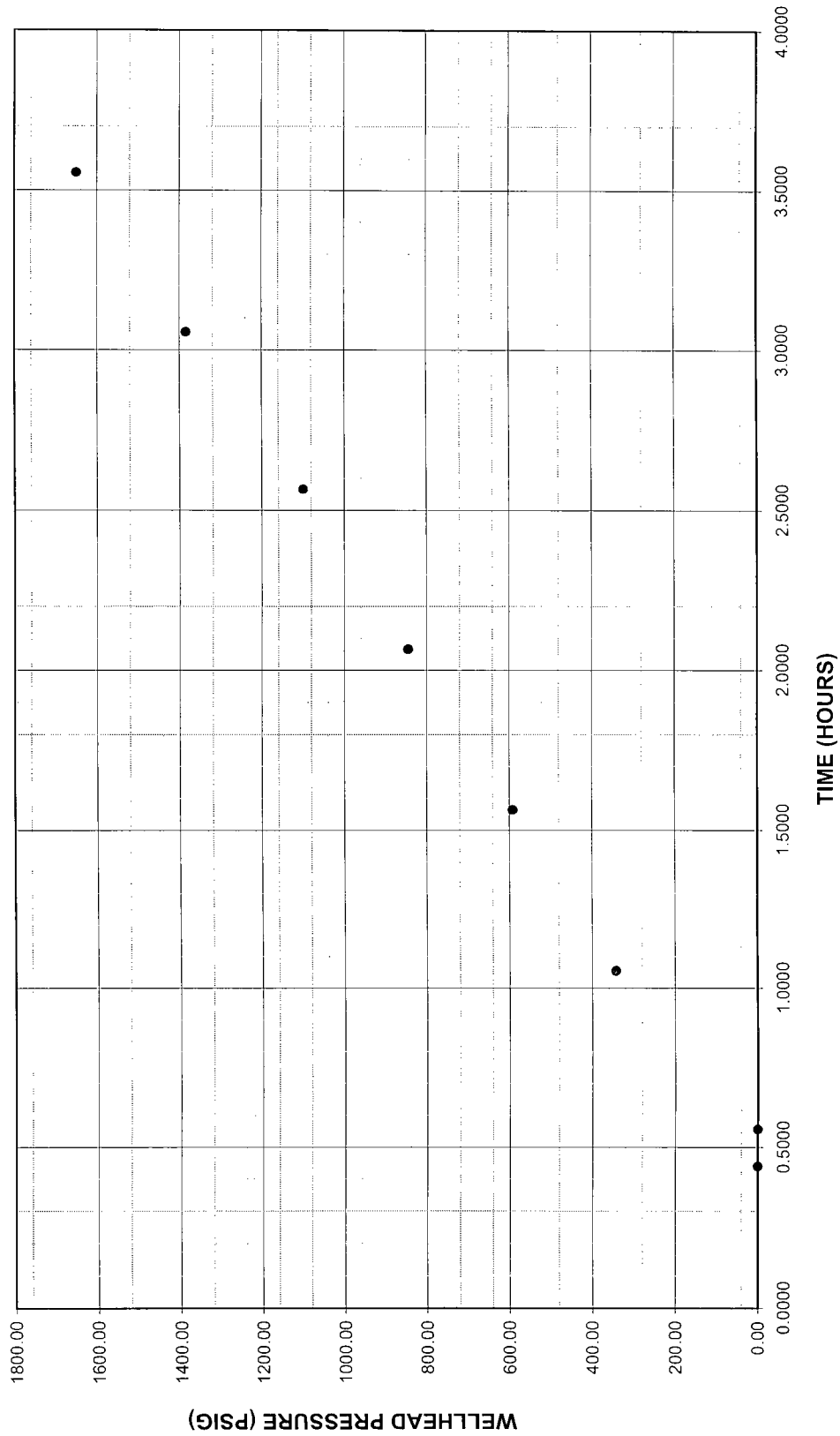


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TLSAU
WELL NUMBER: 48

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51244
TEST DATE: 10/31/01 - 10/31/01

WELLHEAD PRESSURE VS TIME



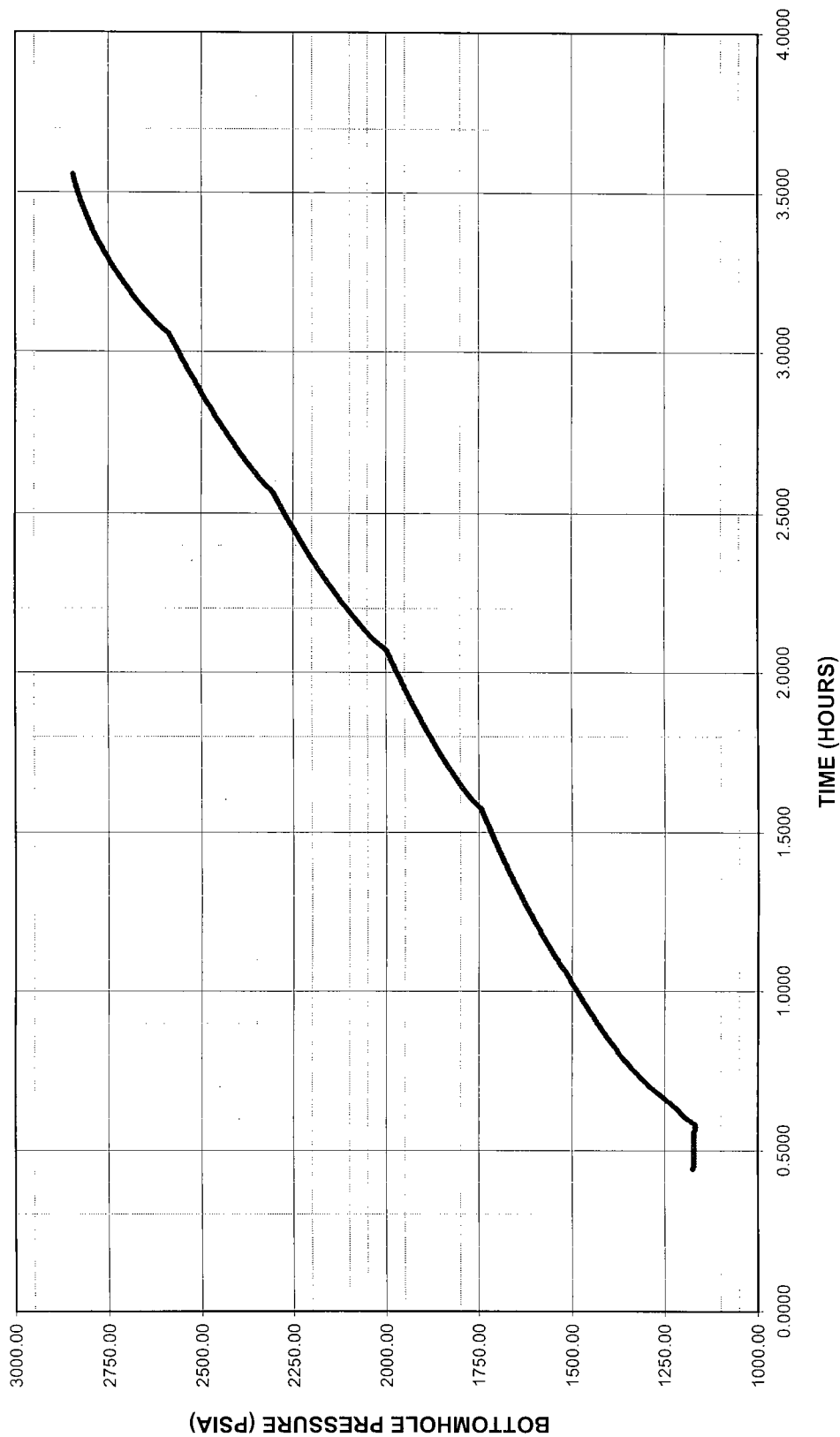


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TILSAU
WELL NUMBER: 48

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

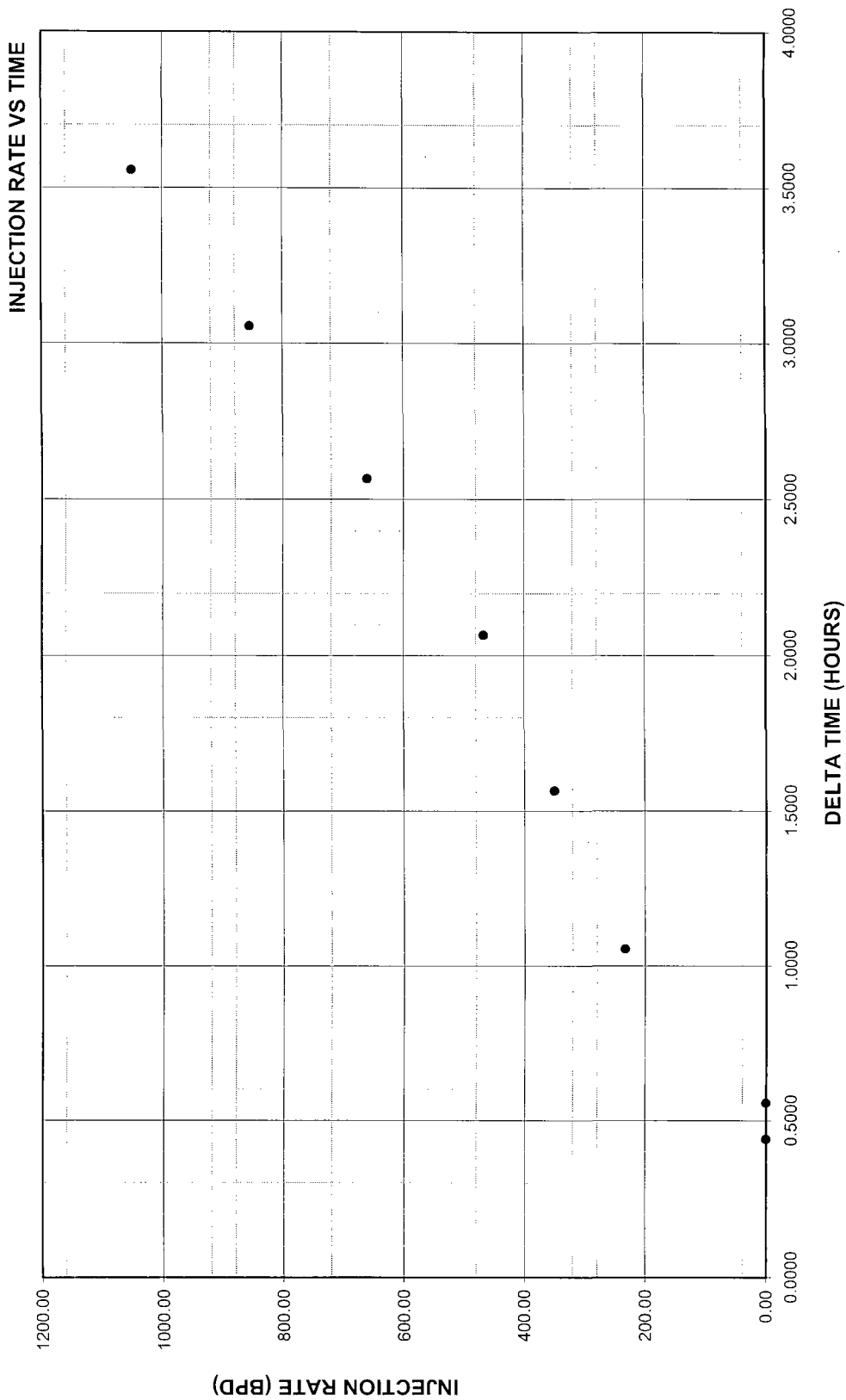
JOB # 51244
TEST DATE: 10/31/01

BHP VS TIME





COMPANY: CONCHO OIL & GAS CORP. FIELD: TWIN LAKES JOB # 51244
LEASE: TLSAU COUNTY: CHAVES TEST DATE: 10/31/01
WELL NUMBER: 48 STATE: NM





COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 48
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/31/01 - 10/31/01
 RUN DEPTH: 2675
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 51244
10/31/01 09:52:30 AM	0.4417	1175.16	0.00	0.00	
10/31/01 09:59:30 AM	0.5583	1173.10	0.00	0.00	
10/31/01 10:29:30 AM	1.0583	1513.44	342.00	233.00	
10/31/01 11:00:00 AM	1.5667	1740.80	590.00	350.00	
10/31/01 11:30:00 AM	2.0667	1997.01	844.00	466.00	
10/31/01 12:00:00 PM	2.5667	2305.92	1100.00	660.00	
10/31/01 12:29:30 PM	3.0583	2587.58	1384.00	855.00	
10/31/01 12:59:30 PM	3.5583	2844.57	1650.00	1050.00	

ARC

PRESSURE DATA

INCORPORATED

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU # 48
 FIELD (FORMATION): TWIN LAKES (SAN ANDRES)
 COUNTY: CHAVES
 STATE: NM

TEST DATES: 10/31/01 - 10/31/01
 RUN DEPTH: 2675
 INSTRUMENT: V-90

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
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10/31/01 9:14:00 AM			ON LOCATION
10/31/01 9:26:00 AM			START GAUGE V-90
10/31/01 9:41:00 AM			IN LUBRICATOR W/ GAUGES
10/31/01 9:52:30 AM			ON BOTTOM* W/ GAUGES @ 2675'
10/31/01 9:52:30 AM	0.4417	1175.16	
10/31/01 9:53:00 AM	0.4500	1173.09	
10/31/01 9:53:30 AM	0.4583	1173.25	
10/31/01 9:54:00 AM	0.4667	1173.29	
10/31/01 9:54:30 AM	0.4750	1173.32	
10/31/01 9:55:00 AM	0.4833	1173.32	
10/31/01 9:55:30 AM	0.4917	1173.30	
10/31/01 9:56:00 AM	0.5000	1173.25	
10/31/01 9:56:30 AM	0.5083	1173.26	
10/31/01 9:57:00 AM	0.5167	1173.23	
10/31/01 9:57:30 AM	0.5250	1173.20	
10/31/01 9:58:00 AM	0.5333	1173.18	
10/31/01 9:58:30 AM	0.5417	1173.17	
10/31/01 9:59:00 AM	0.5500	1173.13	
10/31/01 9:59:30 AM	0.5583	1173.10	
10/31/01 9:59:30 AM			START 1ST RATE @ 233 BPD
10/31/01 10:00:00 AM	0.5667	1168.66	
10/31/01 10:00:30 AM	0.5750	1168.85	
10/31/01 10:01:00 AM	0.5833	1170.18	
10/31/01 10:01:30 AM	0.5917	1180.12	
10/31/01 10:02:00 AM	0.6000	1189.49	
10/31/01 10:02:30 AM	0.6083	1197.94	
10/31/01 10:03:00 AM	0.6167	1205.86	
10/31/01 10:03:30 AM	0.6250	1213.43	
10/31/01 10:04:00 AM	0.6333	1220.79	
10/31/01 10:04:30 AM	0.6417	1228.10	
10/31/01 10:05:00 AM	0.6500	1236.61	
10/31/01 10:05:30 AM	0.6583	1245.66	
10/31/01 10:06:00 AM	0.6667	1254.85	
10/31/01 10:06:30 AM	0.6750	1263.87	
10/31/01 10:07:00 AM	0.6833	1272.58	
10/31/01 10:07:30 AM	0.6917	1281.00	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
10/31/01 10:08:00 AM	0.7000	1289.13	
10/31/01 10:08:30 AM	0.7083	1296.92	
10/31/01 10:09:00 AM	0.7167	1304.51	
10/31/01 10:09:30 AM	0.7250	1311.83	
10/31/01 10:10:00 AM	0.7333	1319.01	
10/31/01 10:10:30 AM	0.7417	1325.89	
10/31/01 10:11:00 AM	0.7500	1332.61	
10/31/01 10:11:30 AM	0.7583	1339.17	
10/31/01 10:12:00 AM	0.7667	1345.51	
10/31/01 10:12:30 AM	0.7750	1351.61	
10/31/01 10:13:00 AM	0.7833	1357.65	
10/31/01 10:13:30 AM	0.7917	1363.51	
10/31/01 10:14:00 AM	0.8000	1369.24	
10/31/01 10:14:30 AM	0.8083	1374.94	
10/31/01 10:15:00 AM			CONTINUE 1ST RATE
10/31/01 10:15:00 AM	0.8167	1380.43	
10/31/01 10:15:30 AM	0.8250	1385.90	
10/31/01 10:16:00 AM	0.8333	1391.27	
10/31/01 10:16:30 AM	0.8417	1396.44	
10/31/01 10:17:00 AM	0.8500	1401.62	
10/31/01 10:17:30 AM	0.8583	1406.71	
10/31/01 10:18:00 AM	0.8667	1411.67	
10/31/01 10:18:30 AM	0.8750	1416.66	
10/31/01 10:19:00 AM	0.8833	1421.38	
10/31/01 10:19:30 AM	0.8917	1426.27	
10/31/01 10:20:00 AM	0.9000	1431.04	
10/31/01 10:20:30 AM	0.9083	1435.95	
10/31/01 10:21:00 AM	0.9167	1440.76	
10/31/01 10:21:30 AM	0.9250	1445.27	
10/31/01 10:22:00 AM	0.9333	1450.13	
10/31/01 10:22:30 AM	0.9417	1454.51	
10/31/01 10:23:00 AM	0.9500	1459.09	
10/31/01 10:23:30 AM	0.9583	1463.60	
10/31/01 10:24:00 AM	0.9667	1467.84	
10/31/01 10:24:30 AM	0.9750	1472.48	
10/31/01 10:25:00 AM	0.9833	1476.51	
10/31/01 10:25:30 AM	0.9917	1480.89	
10/31/01 10:26:00 AM	1.0000	1485.09	
10/31/01 10:26:30 AM	1.0083	1489.08	
10/31/01 10:27:00 AM	1.0167	1493.43	
10/31/01 10:27:30 AM	1.0250	1497.29	
10/31/01 10:28:00 AM	1.0333	1501.50	
10/31/01 10:28:30 AM	1.0417	1505.48	
10/31/01 10:29:00 AM	1.0500	1509.35	
10/31/01 10:29:30 AM	1.0583	1513.44	
10/31/01 10:29:30 AM			END 1ST RATE, START 2ND RATE @ 350 BPD
10/31/01 10:30:00 AM	1.0667	1518.12	
10/31/01 10:30:30 AM	1.0750	1523.73	
10/31/01 10:31:00 AM	1.0833	1528.97	
10/31/01 10:31:30 AM	1.0917	1533.96	
10/31/01 10:32:00 AM	1.1000	1538.79	
10/31/01 10:32:30 AM	1.1083	1543.49	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
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10/31/01 10:33:00 AM	1.1167	1548.04
10/31/01 10:33:30 AM	1.1250	1552.55
10/31/01 10:34:00 AM	1.1333	1556.94
10/31/01 10:34:30 AM	1.1417	1561.25
10/31/01 10:35:00 AM	1.1500	1565.47
10/31/01 10:35:30 AM	1.1583	1569.69
10/31/01 10:36:00 AM	1.1667	1573.86
10/31/01 10:36:30 AM	1.1750	1578.00
10/31/01 10:37:00 AM	1.1833	1582.15
10/31/01 10:37:30 AM	1.1917	1586.27
10/31/01 10:38:00 AM	1.2000	1590.56
10/31/01 10:38:30 AM	1.2083	1594.64
10/31/01 10:39:00 AM	1.2167	1598.58
10/31/01 10:39:30 AM	1.2250	1602.57
10/31/01 10:40:00 AM	1.2333	1606.46
10/31/01 10:40:30 AM	1.2417	1610.32
10/31/01 10:41:00 AM	1.2500	1614.17
10/31/01 10:41:30 AM	1.2583	1617.93
10/31/01 10:42:00 AM	1.2667	1621.68
10/31/01 10:42:30 AM	1.2750	1625.34
10/31/01 10:43:00 AM	1.2833	1628.99
10/31/01 10:43:30 AM	1.2917	1632.64
10/31/01 10:44:00 AM	1.3000	1636.25
10/31/01 10:44:30 AM	1.3083	1639.89
10/31/01 10:45:00 AM		
10/31/01 10:45:00 AM	1.3167	1643.48
10/31/01 10:45:30 AM	1.3250	1647.03
10/31/01 10:46:00 AM	1.3333	1650.61
10/31/01 10:46:30 AM	1.3417	1654.14
10/31/01 10:47:00 AM	1.3500	1657.67
10/31/01 10:47:30 AM	1.3583	1661.14
10/31/01 10:48:00 AM	1.3667	1664.59
10/31/01 10:48:30 AM	1.3750	1668.01
10/31/01 10:49:00 AM	1.3833	1671.39
10/31/01 10:49:30 AM	1.3917	1674.74
10/31/01 10:50:00 AM	1.4000	1678.08
10/31/01 10:50:30 AM	1.4083	1681.38
10/31/01 10:51:00 AM	1.4167	1684.67
10/31/01 10:51:30 AM	1.4250	1687.96
10/31/01 10:52:00 AM	1.4333	1691.21
10/31/01 10:52:30 AM	1.4417	1694.49
10/31/01 10:53:00 AM	1.4500	1697.66
10/31/01 10:53:30 AM	1.4583	1700.90
10/31/01 10:54:00 AM	1.4667	1704.12
10/31/01 10:54:30 AM	1.4750	1707.28
10/31/01 10:55:00 AM	1.4833	1710.40
10/31/01 10:55:30 AM	1.4917	1713.55
10/31/01 10:56:00 AM	1.5000	1716.63
10/31/01 10:56:30 AM	1.5083	1719.74
10/31/01 10:57:00 AM	1.5167	1722.77
10/31/01 10:57:30 AM	1.5250	1725.83
10/31/01 10:58:00 AM	1.5333	1728.79

CONTINUE 2ND RATE

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
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10/31/01 10:58:30 AM	1.5417	1731.79	
10/31/01 10:59:00 AM	1.5500	1734.80	
10/31/01 10:59:30 AM	1.5583	1737.79	
10/31/01 11:00:00 AM	1.5667	1740.80	
10/31/01 11:00:01 AM			END 2ND RATE, START 3RD RATE @ 466 BPD
10/31/01 11:00:30 AM	1.5750	1744.17	
10/31/01 11:01:00 AM	1.5833	1752.72	
10/31/01 11:01:30 AM	1.5917	1760.05	
10/31/01 11:02:00 AM	1.6000	1766.87	
10/31/01 11:02:30 AM	1.6083	1772.97	
10/31/01 11:03:00 AM	1.6167	1778.70	
10/31/01 11:03:30 AM	1.6250	1784.46	
10/31/01 11:04:00 AM	1.6333	1789.97	
10/31/01 11:04:30 AM	1.6417	1795.22	
10/31/01 11:05:00 AM	1.6500	1800.30	
10/31/01 11:05:30 AM	1.6583	1805.43	
10/31/01 11:06:00 AM	1.6667	1810.47	
10/31/01 11:06:30 AM	1.6750	1815.29	
10/31/01 11:07:00 AM	1.6833	1819.97	
10/31/01 11:07:30 AM	1.6917	1824.72	
10/31/01 11:08:00 AM	1.7000	1829.44	
10/31/01 11:08:30 AM	1.7083	1833.96	
10/31/01 11:09:00 AM	1.7167	1838.40	
10/31/01 11:09:30 AM	1.7250	1842.91	
10/31/01 11:10:00 AM	1.7333	1847.39	
10/31/01 11:10:30 AM	1.7417	1851.74	
10/31/01 11:11:00 AM	1.7500	1855.96	
10/31/01 11:11:30 AM	1.7583	1860.23	
10/31/01 11:12:00 AM	1.7667	1864.56	
10/31/01 11:12:30 AM	1.7750	1868.73	
10/31/01 11:13:00 AM	1.7833	1872.78	
10/31/01 11:13:30 AM	1.7917	1876.89	
10/31/01 11:14:00 AM	1.8000	1881.03	
10/31/01 11:14:30 AM	1.8083	1885.04	
10/31/01 11:15:00 AM	1.8167	1888.97	
10/31/01 11:15:00 AM			CONTINUE 3RD RATE
10/31/01 11:15:30 AM	1.8250	1892.95	
10/31/01 11:16:00 AM	1.8333	1896.98	
10/31/01 11:16:30 AM	1.8417	1900.85	
10/31/01 11:17:00 AM	1.8500	1904.67	
10/31/01 11:17:30 AM	1.8583	1908.51	
10/31/01 11:18:00 AM	1.8667	1912.39	
10/31/01 11:18:30 AM	1.8750	1916.21	
10/31/01 11:19:00 AM	1.8833	1919.90	
10/31/01 11:19:30 AM	1.8917	1923.58	
10/31/01 11:20:00 AM	1.9000	1927.36	
10/31/01 11:20:30 AM	1.9083	1931.06	
10/31/01 11:21:00 AM	1.9167	1934.63	
10/31/01 11:21:30 AM	1.9250	1938.27	
10/31/01 11:22:00 AM	1.9333	1941.91	
10/31/01 11:22:30 AM	1.9417	1945.55	
10/31/01 11:23:00 AM	1.9500	1949.06	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
10/31/01 11:23:30 AM	1.9583	1952.60	
10/31/01 11:24:00 AM	1.9667	1956.21	
10/31/01 11:24:30 AM	1.9750	1959.74	
10/31/01 11:25:00 AM	1.9833	1963.18	
10/31/01 11:25:30 AM	1.9917	1966.61	
10/31/01 11:26:00 AM	2.0000	1970.14	
10/31/01 11:26:30 AM	2.0083	1973.59	
10/31/01 11:27:00 AM	2.0167	1976.96	
10/31/01 11:27:30 AM	2.0250	1980.28	
10/31/01 11:28:00 AM	2.0333	1983.71	
10/31/01 11:28:30 AM	2.0417	1987.12	
10/31/01 11:29:00 AM	2.0500	1990.43	
10/31/01 11:29:30 AM	2.0583	1993.66	
10/31/01 11:30:00 AM	2.0667	1997.01	
10/31/01 11:30:01 AM			END 3RD RATE, START 4TH RATE @ 660 BPD
10/31/01 11:30:30 AM	2.0750	2004.72	
10/31/01 11:31:00 AM	2.0833	2013.58	
10/31/01 11:31:30 AM	2.0917	2022.30	
10/31/01 11:32:00 AM	2.1000	2030.12	
10/31/01 11:32:30 AM	2.1083	2037.41	
10/31/01 11:33:00 AM	2.1167	2044.32	
10/31/01 11:33:30 AM	2.1250	2051.08	
10/31/01 11:34:00 AM	2.1333	2057.49	
10/31/01 11:34:30 AM	2.1417	2063.90	
10/31/01 11:35:00 AM	2.1500	2070.20	
10/31/01 11:35:30 AM	2.1583	2076.40	
10/31/01 11:36:00 AM	2.1667	2082.28	
10/31/01 11:36:30 AM	2.1750	2088.17	
10/31/01 11:37:00 AM	2.1833	2093.87	
10/31/01 11:37:30 AM	2.1917	2099.63	
10/31/01 11:38:00 AM	2.2000	2105.19	
10/31/01 11:38:30 AM	2.2083	2110.92	
10/31/01 11:39:00 AM	2.2167	2116.32	
10/31/01 11:39:30 AM	2.2250	2121.74	
10/31/01 11:40:00 AM	2.2333	2126.97	
10/31/01 11:40:30 AM	2.2417	2132.36	
10/31/01 11:41:00 AM	2.2500	2137.55	
10/31/01 11:41:30 AM	2.2583	2142.80	
10/31/01 11:42:00 AM	2.2667	2147.83	
10/31/01 11:42:30 AM	2.2750	2152.90	
10/31/01 11:43:00 AM	2.2833	2157.80	
10/31/01 11:43:30 AM	2.2917	2162.90	
10/31/01 11:44:00 AM	2.3000	2167.73	
10/31/01 11:44:30 AM	2.3083	2172.74	
10/31/01 11:45:00 AM	2.3167	2177.46	
10/31/01 11:45:00 AM			CONTINUE 4TH RATE
10/31/01 11:45:30 AM	2.3250	2182.35	
10/31/01 11:46:00 AM	2.3333	2187.02	
10/31/01 11:46:30 AM	2.3417	2191.83	
10/31/01 11:47:00 AM	2.3500	2196.42	
10/31/01 11:47:30 AM	2.3583	2201.13	
10/31/01 11:48:00 AM	2.3667	2205.53	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
10/31/01 11:48:30 AM	2.3750	2210.09	
10/31/01 11:49:00 AM	2.3833	2214.46	
10/31/01 11:49:30 AM	2.3917	2219.06	
10/31/01 11:50:00 AM	2.4000	2223.42	
10/31/01 11:50:30 AM	2.4083	2227.89	
10/31/01 11:51:00 AM	2.4167	2232.06	
10/31/01 11:51:30 AM	2.4250	2236.45	
10/31/01 11:52:00 AM	2.4333	2240.69	
10/31/01 11:52:30 AM	2.4417	2245.15	
10/31/01 11:53:00 AM	2.4500	2249.34	
10/31/01 11:53:30 AM	2.4583	2253.65	
10/31/01 11:54:00 AM	2.4667	2257.60	
10/31/01 11:54:30 AM	2.4750	2261.82	
10/31/01 11:55:00 AM	2.4833	2265.86	
10/31/01 11:55:30 AM	2.4917	2270.22	
10/31/01 11:56:00 AM	2.5000	2274.24	
10/31/01 11:56:30 AM	2.5083	2278.41	
10/31/01 11:57:00 AM	2.5167	2282.22	
10/31/01 11:57:30 AM	2.5250	2286.32	
10/31/01 11:58:00 AM	2.5333	2290.20	
10/31/01 11:58:30 AM	2.5417	2294.44	
10/31/01 11:59:00 AM	2.5500	2298.27	
10/31/01 11:59:30 AM	2.5583	2302.23	
10/31/01 12:00:00 PM	2.5667	2305.92	
10/31/01 12:00:01 PM			END 4TH RATE, START 5TH RATE @ 855 BPD
10/31/01 12:00:30 PM	2.5750	2312.17	
10/31/01 12:01:00 PM	2.5833	2320.32	
10/31/01 12:01:30 PM	2.5917	2327.47	
10/31/01 12:02:00 PM	2.6000	2334.31	
10/31/01 12:02:30 PM	2.6083	2340.59	
10/31/01 12:03:00 PM	2.6167	2346.65	
10/31/01 12:03:30 PM	2.6250	2352.55	
10/31/01 12:04:00 PM	2.6333	2358.48	
10/31/01 12:04:30 PM	2.6417	2364.20	
10/31/01 12:05:00 PM	2.6500	2369.81	
10/31/01 12:05:30 PM	2.6583	2375.30	
10/31/01 12:06:00 PM	2.6667	2380.86	
10/31/01 12:06:30 PM	2.6750	2386.19	
10/31/01 12:07:00 PM	2.6833	2391.39	
10/31/01 12:07:30 PM	2.6917	2396.53	
10/31/01 12:08:00 PM	2.7000	2401.83	
10/31/01 12:08:30 PM	2.7083	2406.97	
10/31/01 12:09:00 PM	2.7167	2411.99	
10/31/01 12:09:30 PM	2.7250	2416.98	
10/31/01 12:10:00 PM	2.7333	2422.05	
10/31/01 12:10:30 PM	2.7417	2426.99	
10/31/01 12:11:00 PM	2.7500	2431.78	
10/31/01 12:11:30 PM	2.7583	2436.56	
10/31/01 12:12:00 PM	2.7667	2441.46	
10/31/01 12:12:30 PM	2.7750	2446.23	
10/31/01 12:13:00 PM	2.7833	2450.87	
10/31/01 12:13:30 PM	2.7917	2455.52	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
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10/31/01 12:14:00 PM	2.8000	2460.26	
10/31/01 12:14:30 PM	2.8083	2464.81	
10/31/01 12:15:00 PM	2.8167	2469.32	
10/31/01 12:15:00 PM			CONTINUE 5TH RATE
10/31/01 12:15:30 PM	2.8250	2473.80	
10/31/01 12:16:00 PM	2.8333	2478.38	
10/31/01 12:16:30 PM	2.8417	2482.81	
10/31/01 12:17:00 PM	2.8500	2487.15	
10/31/01 12:17:30 PM	2.8583	2491.48	
10/31/01 12:18:00 PM	2.8667	2495.92	
10/31/01 12:18:30 PM	2.8750	2500.15	
10/31/01 12:19:00 PM	2.8833	2504.27	
10/31/01 12:19:30 PM	2.8917	2508.52	
10/31/01 12:20:00 PM	2.9000	2512.80	
10/31/01 12:20:30 PM	2.9083	2516.97	
10/31/01 12:21:00 PM	2.9167	2521.06	
10/31/01 12:21:30 PM	2.9250	2525.28	
10/31/01 12:22:00 PM	2.9333	2529.51	
10/31/01 12:22:30 PM	2.9417	2533.62	
10/31/01 12:23:00 PM	2.9500	2537.63	
10/31/01 12:23:30 PM	2.9583	2541.68	
10/31/01 12:24:00 PM	2.9667	2545.75	
10/31/01 12:24:30 PM	2.9750	2549.67	
10/31/01 12:25:00 PM	2.9833	2553.57	
10/31/01 12:25:30 PM	2.9917	2557.45	
10/31/01 12:26:00 PM	3.0000	2561.35	
10/31/01 12:26:30 PM	3.0083	2565.16	
10/31/01 12:27:00 PM	3.0167	2568.91	
10/31/01 12:27:30 PM	3.0250	2572.71	
10/31/01 12:28:00 PM	3.0333	2576.46	
10/31/01 12:28:30 PM	3.0417	2580.21	
10/31/01 12:29:00 PM	3.0500	2583.88	
10/31/01 12:29:30 PM	3.0583	2587.58	
10/31/01 12:29:30 PM			END 5TH RATE, START 6TH RATE @ 1050 BPD
10/31/01 12:30:00 PM	3.0667	2596.17	
10/31/01 12:30:30 PM	3.0750	2603.96	
10/31/01 12:31:00 PM	3.0833	2612.19	
10/31/01 12:31:30 PM	3.0917	2619.74	
10/31/01 12:32:00 PM	3.1000	2626.87	
10/31/01 12:32:30 PM	3.1083	2633.76	
10/31/01 12:33:00 PM	3.1167	2640.35	
10/31/01 12:33:30 PM	3.1250	2646.70	
10/31/01 12:34:00 PM	3.1333	2652.93	
10/31/01 12:34:30 PM	3.1417	2658.96	
10/31/01 12:35:00 PM	3.1500	2664.89	
10/31/01 12:35:30 PM	3.1583	2670.64	
10/31/01 12:36:00 PM	3.1667	2676.24	
10/31/01 12:36:30 PM	3.1750	2681.75	
10/31/01 12:37:00 PM	3.1833	2687.21	
10/31/01 12:37:30 PM	3.1917	2692.50	
10/31/01 12:38:00 PM	3.2000	2697.74	
10/31/01 12:38:30 PM	3.2083	2702.77	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 51244
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10/31/01 12:39:00 PM	3.2167	2707.83	
10/31/01 12:39:30 PM	3.2250	2712.88	
10/31/01 12:40:00 PM	3.2333	2717.71	
10/31/01 12:40:30 PM	3.2417	2722.50	
10/31/01 12:41:00 PM	3.2500	2727.20	
10/31/01 12:41:30 PM	3.2583	2731.80	
10/31/01 12:42:00 PM	3.2667	2736.32	
10/31/01 12:42:30 PM	3.2750	2740.76	
10/31/01 12:43:00 PM	3.2833	2745.13	
10/31/01 12:43:30 PM	3.2917	2749.52	
10/31/01 12:44:00 PM	3.3000	2753.76	
10/31/01 12:44:30 PM	3.3083	2757.96	
10/31/01 12:45:00 PM	3.3167	2762.05	
10/31/01 12:45:00 PM			CONTINUE 6TH RATE
10/31/01 12:45:30 PM	3.3250	2766.04	
10/31/01 12:46:00 PM	3.3333	2770.02	
10/31/01 12:46:30 PM	3.3417	2773.94	
10/31/01 12:47:00 PM	3.3500	2777.84	
10/31/01 12:47:30 PM	3.3583	2781.54	
10/31/01 12:48:00 PM	3.3667	2785.28	
10/31/01 12:48:30 PM	3.3750	2788.93	
10/31/01 12:49:00 PM	3.3833	2792.43	
10/31/01 12:49:30 PM	3.3917	2795.46	
10/31/01 12:50:00 PM	3.4000	2797.99	
10/31/01 12:50:30 PM	3.4083	2801.12	
10/31/01 12:51:00 PM	3.4167	2804.39	
10/31/01 12:51:30 PM	3.4250	2807.51	
10/31/01 12:52:00 PM	3.4333	2810.51	
10/31/01 12:52:30 PM	3.4417	2813.10	
10/31/01 12:53:00 PM	3.4500	2815.94	
10/31/01 12:53:30 PM	3.4583	2818.70	
10/31/01 12:54:00 PM	3.4667	2821.30	
10/31/01 12:54:30 PM	3.4750	2823.92	
10/31/01 12:55:00 PM	3.4833	2826.24	
10/31/01 12:55:30 PM	3.4917	2828.65	
10/31/01 12:56:00 PM	3.5000	2831.10	
10/31/01 12:56:30 PM	3.5083	2833.42	
10/31/01 12:57:00 PM	3.5167	2835.70	
10/31/01 12:57:30 PM	3.5250	2837.89	
10/31/01 12:58:00 PM	3.5333	2839.89	
10/31/01 12:58:30 PM	3.5417	2841.76	
10/31/01 12:59:00 PM	3.5500	2843.42	
10/31/01 12:59:30 PM	3.5583	2844.57	
10/31/01 12:59:30 PM			END 6TH RATE

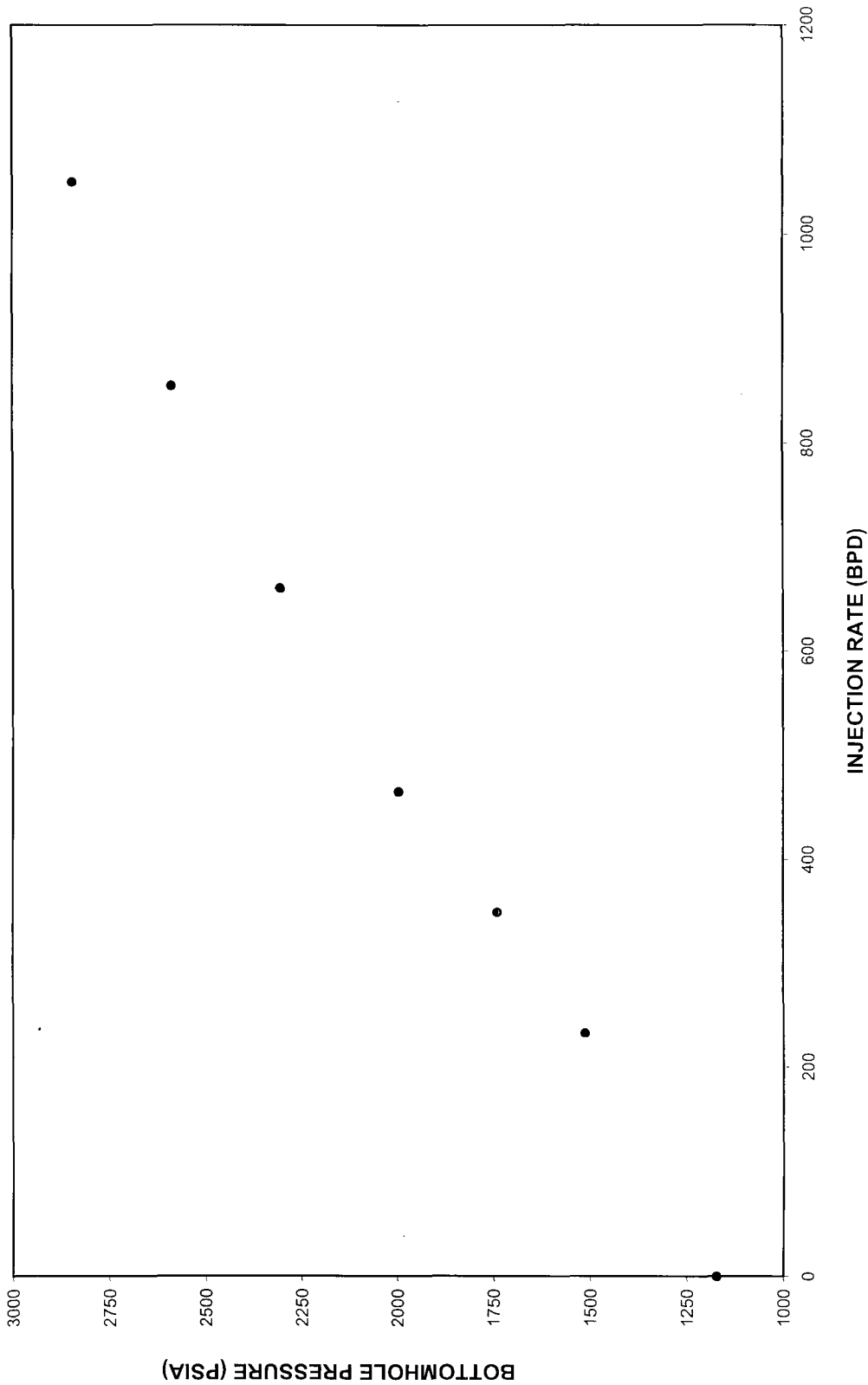


COMPANY: CONCHO OIL & GAS CORP.
LEASE: TUSAU
WELL NUMBER: 48

FIELD: TWIN LAKES
COUNTY: CHAVES
STATE: NM

JOB # 51244
TEST DATE: 10/31/01 - 10/31/01

STEP-RATE TEST - BHP VS. INJECTION RATE



AARC **PRESSURE DATA** I N C O R P O R A T E D

COMPANY: CONCHO OIL & GAS CORP.
 LEASE: TLSAU
 WELL NUMBER: 48

FIELD: TWIN LAKES
 COUNTY: CHAVES
 STATE: NM

JOB #: 51244
 TEST DATE: 10/31/01 - 10/31/01

STEP-RATE TEST - WHP VS. INJECTION RATE

