

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-24216
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator BP		6. State Oil & Gas Lease No. 079060
3. Address of Operator 1751 HWY 511 Navajo Dam, NM 87419 PO box 6459		7. Lease Name or Unit Agreement Name Northeast Blanco Unit
4. Well Location Unit Letter B: 900 feet from the North line and 1350 feet from the East line Section 20 Township 30N Range 7W NMPM County Rio Arriba		8. Well Number NEBU 413
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6379' GL		9. OGRID Number 6137
		10. Pool name or Wildcat Basin Fruitland Coal

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Annual Pow Report ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP would like to submit pressure test information on the above names well NEBU 413 POW. The reading from the pressure bomb taken on 8/2/2016 was 21 PSI at a depth of 3100'.

OIL CONS. DIV DIST. 3
SEP 22 2016

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

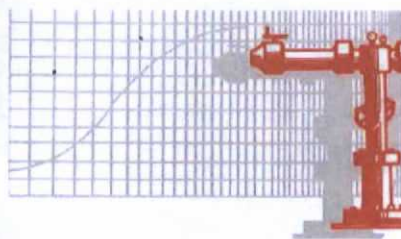
SIGNATURE Spencer Morrison TITLE Production Engineer DATE 9/14/16

Type or print name: Spencer Morrison E-mail address: Spencer.Morrison@bp.com PHONE: 505-793-6369

For State Use Only

APPROVED BY: Deputy Oil & Gas Inspector TITLE Deputy Oil & Gas Inspector, District #3 DATE 9/28/16
Conditions of Approval (if any): PN

110



BHP • BJ • PI • DD • GWT • RFS • GOR • FL • TS

EFTELLER, INC.

reservoir engineering

P. O. Box 1198
Farmington, New Mexico 87499
(505) 325-1731
Fax (505) 325-1148

FARMINGTON, NEW MEXICO/
GRAND JUNCTION, COLORADO

2332 Interstate Ave.
Grand Junction, CO 81505
(970) 241-0403
Fax (970) 241-7634

BP AMERICA PRODUCTION COMPANY

NEBU NO. 413

AUGUST 2 – 3, 2016

Serving the Rocky Mountains and the Western Slope

08/04/16
File Reference F220803.RED

Page A

Customer BP AMERICA PRODUCTION COMPANY
Street P.O. BOX 6459
City/State NAVAJO DAM, NM 87419
Country USA
Service Company TEFTTELLER, INC.

Well Name NEBU NO. 413
Well Location RIO ARriba COUNTY, NEW MEXICO
Field / Pool BASIN FRUITLAND COAL
Status (Oil, Gas, Other) OBSERVATION WELL

Test Type BOTTOM HOLE PRESSURE MEASUREMENTS
Date of Test 8-2-2016
Producing Interval 3152' - 3265'
Recorder Depth 3100'
Recorder Position 3100'
Shut In Date Start: 8-2-2016
Stop: 8-3-2016
Duration: 24 HRS. ELECTRONIC MEMORY INST. TIME
Bottom Hole Temperature 103 DEGREES @ 3100'

Gauge Identification

Gauge Manufacturer MICRO-SMART SYSTEMS
Serial Number 220
Model Number SP2000
Pressure Range
Battery Type
Calibration I.D.
Last Calibration 6/ 1/15

Gauge Setup Parameters

Probe Set Up Time 8/ 2/16 9:44: 0
Time Delay to First Reading
Test Type Selection BOTTOM HOLE PRESSURE MEASUREMENTS
Test Duration Selection 24 HRS. ELECTRONIC MEMORY INST. TIME

COMPANY: BP AMERICA PRODUCTION COMPANY

PAGE 1 OF 9

WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmm.mmmmm	Psi	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
08/03	09:44:00	.0000	.01	79.94		
08/02	09:50:00	6.0000	.01	80.39	.00	
08/02	09:51:00	7.0000	19.66	80.59	19.65	PRESSURE UP LUBRICATOR
08/02	09:51:30	7.5000	19.55	80.73	-.11	
08/02	09:51:45	7.7500	19.48	80.82	-.07	
08/02	09:52:45	8.7500	19.35	81.17	-.13	
08/02	09:53:00	9.0000	19.25	81.26	-.10	
08/02	09:54:00	10.0000	19.14	81.61	-.11	
08/02	09:54:15	10.2500	19.11	81.71	-.03	
08/02	09:57:00	13.0000	19.01	82.86	-.10	
08/02	10:00:00	16.0000	19.12	84.05	.11	
08/02	10:02:00	18.0000	19.25	84.80	.12	
08/02	10:03:00	19.0000	19.30	85.12	.05	
08/02	10:05:00	21.0000	19.41	85.79	.11	
08/02	10:06:00	22.0000	19.45	86.11	.04	
08/02	10:09:00	25.0000	19.46	87.05	.01	
08/02	10:11:00	27.0000	19.48	87.33	.02	SURFACE STOP
08/02	10:12:00	28.0000	19.81	87.36	.33	
08/02	10:13:00	29.0000	22.04	87.38	2.23	
08/02	10:13:15	29.2500	22.32	87.15	.28	
08/02	10:13:30	29.5000	22.87	86.85	.55	
08/02	10:13:45	29.7500	23.41	86.53	.54	
08/02	10:14:00	30.0000	23.92	86.22	.51	
08/02	10:14:15	30.2500	24.32	85.91	.40	
08/02	10:14:30	30.5000	24.65	85.60	.33	
08/02	10:14:45	30.7500	24.90	85.29	.25	
08/02	10:15:00	31.0000	25.17	84.98	.27	
08/02	10:17:00	33.0000	25.08	82.71	-.09	
08/02	10:17:15	33.2500	24.96	82.47	-.13	
08/02	10:17:30	33.5000	24.84	82.22	-.11	
08/02	10:17:45	33.7500	24.72	81.98	-.12	
08/02	10:18:00	34.0000	24.60	81.73	-.11	
08/02	10:18:15	34.2500	24.49	81.49	-.11	
08/02	10:18:30	34.5000	24.37	81.24	-.12	
08/02	10:18:45	34.7500	24.26	81.00	-.11	
08/02	10:19:00	35.0000	24.16	80.76	-.10	
08/02	10:19:15	35.2500	24.07	80.55	-.09	
08/02	10:19:30	35.5000	23.98	80.36	-.09	
08/02	10:19:45	35.7500	23.89	80.17	-.09	
08/02	10:20:00	36.0000	23.81	79.98	-.09	
08/02	10:20:15	36.2500	23.73	79.79	-.08	
08/02	10:21:45	37.7500	23.84	78.67	.10	STOP @ 1000'
08/02	10:22:00	38.0000	23.91	78.48	.07	
08/02	10:24:00	40.0000	23.88	77.65	-.03	
08/02	10:25:00	41.0000	22.84	77.47	-1.03	
08/02	10:26:00	42.0000	22.53	77.28	-.31	
08/02	10:27:00	43.0000	22.04	77.39	-.49	
08/02	10:28:00	44.0000	21.60	77.56	-.44	
08/02	10:29:00	45.0000	21.53	77.73	-.07	
08/02	10:30:00	46.0000	21.46	77.91	-.07	
08/02	10:32:00	48.0000	21.50	78.57	.04	STOP @ 2000'
08/02	10:33:00	49.0000	20.82	79.05	-.68	
08/02	10:34:00	50.0000	20.22	79.52	-.60	
08/02	10:35:00	51.0000	20.03	80.19	-.18	
08/02	10:38:00	54.0000	20.13	82.02	.09	
08/02	10:40:00	56.0000	20.14	83.08	.01	
08/02	10:41:00	57.0000	20.37	83.61	.23	STOP @ 2500'
08/02	10:42:00	58.0000	20.57	84.14	.20	
08/02	10:43:00	59.0000	19.65	85.05	-.92	
08/02	10:44:00	60.0000	18.81	86.18	-.83	
08/02	10:45:00	61.0000	18.66	87.31	-.15	
08/02	10:46:00	62.0000	18.71	88.43	.05	
08/02	10:47:00	63.0000	19.08	89.33	.37	
08/02	10:48:00	64.0000	19.60	89.99	.52	
08/02	10:49:00	65.0000	20.08	90.65	.48	

COMPANY: BP AMERICA PRODUCTION COMPANY

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WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmm.mmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
08/02	10:50:00	66.0000	20.45	91.31	.37	
08/02	10:51:00	67.0000	20.74	91.82	.29	ELECTRONIC MEMORY INST. @ 3100'
08/02	10:52:00	68.0000	21.07	92.22	.33	
08/02	10:53:00	69.0000	21.17	92.64	.11	
08/02	10:54:00	70.0000	21.28	93.04	.11	
08/02	10:55:00	71.0000	21.39	93.38	.10	
08/02	10:56:00	72.0000	21.48	93.69	.09	
08/02	10:58:00	74.0000	21.56	94.30	.09	
08/02	10:59:00	75.0000	21.62	94.56	.06	
08/02	11:02:00	78.0000	21.76	95.29	.14	
08/02	11:05:00	81.0000	21.85	95.92	.09	
08/02	11:08:00	84.0000	21.87	96.48	.02	
08/02	11:11:00	87.0000	21.89	96.99	.02	
08/02	11:14:00	90.0000	21.91	97.45	.02	
08/02	11:17:00	93.0000	21.93	97.85	.02	
08/02	11:20:00	96.0000	21.95	98.22	.02	
08/02	11:23:00	99.0000	21.98	98.57	.03	
08/02	11:26:00	102.0000	22.01	98.89	.03	
08/02	11:29:00	105.0000	22.03	99.17	.02	
08/02	11:32:00	108.0000	22.07	99.39	.03	
08/02	11:35:00	111.0000	22.10	99.63	.03	
08/02	11:38:00	114.0000	22.13	99.86	.03	
08/02	11:41:00	117.0000	22.15	100.07	.02	
08/02	11:44:00	120.0000	22.17	100.26	.02	
08/02	11:47:00	123.0000	22.17	100.43	.00	
08/02	11:50:00	126.0000	22.18	100.61	.01	
08/02	11:53:00	129.0000	22.19	100.76	.01	
08/02	11:56:00	132.0000	22.19	100.90	.01	
08/02	11:59:00	135.0000	22.19	101.03	-.00	
08/02	12:02:00	138.0000	22.19	101.16	-.00	
08/02	12:05:00	141.0000	22.19	101.26	.01	
08/02	12:08:00	144.0000	22.19	101.38	.00	
08/02	12:11:00	147.0000	22.22	101.45	.02	
08/02	12:14:00	150.0000	22.22	101.55	.01	
08/02	12:17:00	153.0000	22.24	101.64	.01	
08/02	12:20:00	156.0000	22.25	101.71	.01	
08/02	12:23:00	159.0000	22.24	101.79	-.00	
08/02	12:26:00	162.0000	22.25	101.86	.01	
08/02	12:29:00	165.0000	22.25	101.92	-.00	
08/02	12:32:00	168.0000	22.23	101.99	-.01	
08/02	12:35:00	171.0000	22.24	102.04	.01	
08/02	12:38:00	174.0000	22.26	102.09	.02	
08/02	12:41:00	177.0000	22.27	102.15	.00	
08/02	12:44:00	180.0000	22.27	102.19	.00	
08/02	12:47:00	183.0000	22.26	102.24	-.00	
08/02	12:50:00	186.0000	22.26	102.28	-.00	
08/02	12:53:00	189.0000	22.26	102.32	.00	
08/02	12:56:00	192.0000	22.27	102.35	.01	
08/02	12:59:00	195.0000	22.28	102.39	.00	
08/02	13:02:00	198.0000	22.27	102.42	-.01	
08/02	13:05:00	201.0000	22.27	102.44	.00	
08/02	13:08:00	204.0000	22.28	102.48	.01	
08/02	13:11:00	207.0000	22.27	102.49	-.01	
08/02	13:14:00	210.0000	22.26	102.53	-.01	
08/02	13:17:00	213.0000	22.26	102.55	.00	
08/02	13:20:00	216.0000	22.27	102.57	.01	
08/02	13:23:00	219.0000	22.27	102.59	-.00	
08/02	13:26:00	222.0000	22.27	102.61	.00	
08/02	13:29:00	225.0000	22.28	102.62	.00	
08/02	13:32:00	228.0000	22.29	102.64	.01	
08/02	13:35:00	231.0000	22.29	102.66	.00	
08/02	13:38:00	234.0000	22.29	102.67	.00	
08/02	13:41:00	237.0000	22.28	102.68	-.01	
08/02	13:44:00	240.0000	22.25	102.70	-.02	
08/02	13:47:00	243.0000	22.27	102.71	.01	

COMPANY: BP AMERICA PRODUCTION COMPANY

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WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
08/02	13:50:00	246.0000	22.29	102.72	.02	
08/02	13:53:00	249.0000	22.28	102.73	-.01	
08/02	13:56:00	252.0000	22.27	102.75	-.01	
08/02	13:59:00	255.0000	22.27	102.76	-.00	
08/02	14:02:00	258.0000	22.27	102.76	.00	
08/02	14:05:00	261.0000	22.29	102.77	.02	
08/02	14:08:00	264.0000	22.29	102.78	.00	
08/02	14:11:00	267.0000	22.29	102.79	-.01	
08/02	14:14:00	270.0000	22.27	102.81	-.01	
08/02	14:17:00	273.0000	22.28	102.81	.00	
08/02	14:20:00	276.0000	22.27	102.82	-.00	
08/02	14:23:00	279.0000	22.26	102.82	-.02	
08/02	14:26:00	282.0000	22.25	102.83	-.00	
08/02	14:29:00	285.0000	22.26	102.83	.00	
08/02	14:32:00	288.0000	22.28	102.84	.02	
08/02	14:35:00	291.0000	22.30	102.85	.02	
08/02	14:38:00	294.0000	22.30	102.86	.00	
08/02	14:41:00	297.0000	22.30	102.85	.00	
08/02	14:44:00	300.0000	22.29	102.87	-.01	
08/02	14:47:00	303.0000	22.28	102.88	-.01	
08/02	14:50:00	306.0000	22.28	102.88	.00	
08/02	14:53:00	309.0000	22.28	102.88	-.00	
08/02	14:56:00	312.0000	22.28	102.89	.00	
08/02	14:59:00	315.0000	22.29	102.90	.00	
08/02	15:02:00	318.0000	22.28	102.90	-.01	
08/02	15:05:00	321.0000	22.28	102.89	-.00	
08/02	15:08:00	324.0000	22.27	102.89	-.01	
08/02	15:11:00	327.0000	22.27	102.89	.00	
08/02	15:14:00	330.0000	22.28	102.91	.00	
08/02	15:17:00	333.0000	22.29	102.91	.01	
08/02	15:20:00	336.0000	22.30	102.92	.01	
08/02	15:23:00	339.0000	22.28	102.92	-.02	
08/02	15:26:00	342.0000	22.28	102.92	-.01	
08/02	15:29:00	345.0000	22.30	102.92	.02	
08/02	15:32:00	348.0000	22.29	102.92	-.01	
08/02	15:35:00	351.0000	22.27	102.93	-.02	
08/02	15:38:00	354.0000	22.26	102.93	-.01	
08/02	15:41:00	357.0000	22.27	102.94	.01	
08/02	15:44:00	360.0000	22.28	102.94	.02	
08/02	15:47:00	363.0000	22.29	102.94	.01	
08/02	15:50:00	366.0000	22.27	102.94	-.02	
08/02	15:53:00	369.0000	22.27	102.94	-.00	
08/02	15:56:00	372.0000	22.27	102.94	.00	
08/02	15:59:00	375.0000	22.28	102.94	.00	
08/02	16:02:00	378.0000	22.28	102.95	.01	
08/02	16:05:00	381.0000	22.29	102.95	.01	
08/02	16:08:00	384.0000	22.28	102.95	-.01	
08/02	16:11:00	387.0000	22.27	102.96	-.01	
08/02	16:14:00	390.0000	22.28	102.96	.01	
08/02	16:17:00	393.0000	22.27	102.96	-.01	
08/02	16:20:00	396.0000	22.28	102.96	.00	
08/02	16:23:00	399.0000	22.30	102.97	.02	
08/02	16:26:00	402.0000	22.30	102.96	.00	
08/02	16:29:00	405.0000	22.28	102.96	-.02	
08/02	16:32:00	408.0000	22.28	102.97	.00	
08/02	16:35:00	411.0000	22.29	102.97	.01	
08/02	16:38:00	414.0000	22.29	102.97	-.00	
08/02	16:41:00	417.0000	22.28	102.97	-.01	
08/02	16:44:00	420.0000	22.27	102.97	-.01	
08/02	16:47:00	423.0000	22.29	102.98	.02	
08/02	16:50:00	426.0000	22.29	102.98	.00	
08/02	16:53:00	429.0000	22.29	102.98	-.00	
08/02	16:56:00	432.0000	22.30	102.98	.01	
08/02	16:59:00	435.0000	22.30	102.99	.00	
08/02	17:02:00	438.0000	22.29	102.99	-.00	

COMPANY: BP AMERICA PRODUCTION COMPANY

PAGE 4 OF 9

WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmmmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
08/02	17:05:00	441.0000	22.30	102.99	.00	
08/02	17:08:00	444.0000	22.31	102.99	.01	
08/02	17:11:00	447.0000	22.30	102.99	-.01	
08/02	17:14:00	450.0000	22.30	102.99	.00	
08/02	17:17:00	453.0000	22.30	102.99	.00	
08/02	17:20:00	456.0000	22.29	102.99	-.01	
08/02	17:23:00	459.0000	22.30	102.99	.01	
08/02	17:26:00	462.0000	22.30	102.99	.00	
08/02	17:29:00	465.0000	22.28	102.99	-.02	
08/02	17:32:00	468.0000	22.28	102.99	.00	
08/02	17:35:00	471.0000	22.28	103.00	.00	
08/02	17:38:00	474.0000	22.27	103.00	-.01	
08/02	17:41:00	477.0000	22.27	103.00	-.00	
08/02	17:44:00	480.0000	22.26	103.00	-.01	
08/02	17:47:00	483.0000	22.27	102.99	.01	
08/02	17:50:00	486.0000	22.29	103.01	.02	
08/02	17:53:00	489.0000	22.29	103.00	.00	
08/02	17:56:00	492.0000	22.28	103.01	-.01	
08/02	17:59:00	495.0000	22.28	103.01	.01	
08/02	18:02:00	498.0000	22.28	103.01	.00	
08/02	18:05:00	501.0000	22.29	103.01	.00	
08/02	18:08:00	504.0000	22.28	103.01	-.01	
08/02	18:11:00	507.0000	22.26	103.00	-.01	
08/02	18:14:00	510.0000	22.28	103.01	.01	
08/02	18:17:00	513.0000	22.28	103.01	.01	
08/02	18:20:00	516.0000	22.28	103.01	-.01	
08/02	18:23:00	519.0000	22.28	103.00	.00	
08/02	18:26:00	522.0000	22.29	103.01	.01	
08/02	18:29:00	525.0000	22.30	103.01	.01	
08/02	18:32:00	528.0000	22.28	103.01	-.01	
08/02	18:35:00	531.0000	22.29	103.02	.00	
08/02	18:38:00	534.0000	22.29	103.01	.00	
08/02	18:41:00	537.0000	22.30	103.01	.00	
08/02	18:44:00	540.0000	22.30	103.01	.00	
08/02	18:47:00	543.0000	22.29	103.02	-.00	
08/02	18:50:00	546.0000	22.28	103.02	-.01	
08/02	18:53:00	549.0000	22.26	103.02	-.02	
08/02	18:56:00	552.0000	22.25	103.02	-.01	
08/02	18:59:00	555.0000	22.28	103.02	.03	
08/02	19:02:00	558.0000	22.30	103.02	.02	
08/02	19:05:00	561.0000	22.29	103.02	-.00	
08/02	19:08:00	564.0000	22.28	103.02	-.01	
08/02	19:11:00	567.0000	22.27	103.03	-.01	
08/02	19:14:00	570.0000	22.28	103.03	.01	
08/02	19:17:00	573.0000	22.29	103.03	.00	
08/02	19:20:00	576.0000	22.30	103.03	.01	
08/02	19:23:00	579.0000	22.29	103.01	-.00	
08/02	19:26:00	582.0000	22.29	103.03	.00	
08/02	19:29:00	585.0000	22.29	103.03	.00	
08/02	19:32:00	588.0000	22.29	103.03	-.00	
08/02	19:35:00	591.0000	22.28	103.03	-.01	
08/02	19:38:00	594.0000	22.27	103.03	-.00	
08/02	19:41:00	597.0000	22.27	103.03	.00	
08/02	19:44:00	600.0000	22.25	103.03	-.02	
08/02	19:47:00	603.0000	22.26	103.02	.01	
08/02	19:50:00	606.0000	22.28	103.04	.02	
08/02	19:53:00	609.0000	22.30	103.03	.02	
08/02	19:56:00	612.0000	22.31	103.04	.01	
08/02	19:59:00	615.0000	22.29	103.04	-.03	
08/02	20:02:00	618.0000	22.29	103.04	.00	
08/02	20:05:00	621.0000	22.30	103.04	.01	
08/02	20:08:00	624.0000	22.29	103.04	-.00	
08/02	20:11:00	627.0000	22.30	103.03	.00	
08/02	20:14:00	630.0000	22.30	103.04	.00	
08/02	20:17:00	633.0000	22.29	103.04	-.00	

COMPANY: BP AMERICA PRODUCTION COMPANY

PAGE 5 OF 9

WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
08/02	20:20:00	636.0000	22.29	103.04	-.00	
08/02	20:23:00	639.0000	22.28	103.04	-.00	
08/02	20:26:00	642.0000	22.29	103.03	.00	
08/02	20:29:00	645.0000	22.30	103.04	.01	
08/02	20:32:00	648.0000	22.28	103.04	-.02	
08/02	20:35:00	651.0000	22.28	103.04	-.00	
08/02	20:38:00	654.0000	22.30	103.04	.02	
08/02	20:41:00	657.0000	22.29	103.04	-.00	
08/02	20:44:00	660.0000	22.29	103.04	.00	
08/02	20:47:00	663.0000	22.29	103.04	.00	
08/02	20:50:00	666.0000	22.28	103.04	-.01	
08/02	20:53:00	669.0000	22.28	103.04	-.00	
08/02	20:56:00	672.0000	22.29	103.04	.01	
08/02	20:59:00	675.0000	22.30	103.05	.01	
08/02	21:02:00	678.0000	22.29	103.05	-.02	
08/02	21:05:00	681.0000	22.27	103.04	-.02	
08/02	21:08:00	684.0000	22.29	103.04	.02	
08/02	21:11:00	687.0000	22.30	103.05	.01	
08/02	21:14:00	690.0000	22.27	103.04	-.02	
08/02	21:17:00	693.0000	22.26	103.04	-.01	
08/02	21:20:00	696.0000	22.27	103.04	.01	
08/02	21:23:00	699.0000	22.26	103.05	-.01	
08/02	21:26:00	702.0000	22.27	103.05	.01	
08/02	21:29:00	705.0000	22.27	103.05	.01	
08/02	21:32:00	708.0000	22.27	103.05	-.00	
08/02	21:35:00	711.0000	22.29	103.05	.02	
08/02	21:38:00	714.0000	22.30	103.05	.02	
08/02	21:41:00	717.0000	22.30	103.04	.00	
08/02	21:44:00	720.0000	22.31	103.05	.00	
08/02	21:47:00	723.0000	22.29	103.05	-.02	
08/02	21:50:00	726.0000	22.27	103.05	-.02	
08/02	21:53:00	729.0000	22.26	103.05	-.01	
08/02	21:56:00	732.0000	22.27	103.05	.01	
08/02	21:59:00	735.0000	22.30	103.04	.02	
08/02	22:02:00	738.0000	22.29	103.06	-.00	
08/02	22:05:00	741.0000	22.28	103.05	-.01	
08/02	22:08:00	744.0000	22.28	103.05	-.00	
08/02	22:11:00	747.0000	22.27	103.05	-.01	
08/02	22:14:00	750.0000	22.28	103.05	.01	
08/02	22:17:00	753.0000	22.30	103.05	.02	
08/02	22:20:00	756.0000	22.30	103.05	-.00	
08/02	22:23:00	759.0000	22.27	103.06	-.02	
08/02	22:26:00	762.0000	22.27	103.04	-.00	
08/02	22:29:00	765.0000	22.27	103.05	.01	
08/02	22:32:00	768.0000	22.27	103.06	-.00	
08/02	22:35:00	771.0000	22.27	103.06	-.00	
08/02	22:38:00	774.0000	22.26	103.06	-.01	
08/02	22:41:00	777.0000	22.26	103.06	.00	
08/02	22:44:00	780.0000	22.27	103.06	.01	
08/02	22:47:00	783.0000	22.29	103.06	.01	
08/02	22:50:00	786.0000	22.29	103.06	.00	
08/02	22:53:00	789.0000	22.27	103.06	-.01	
08/02	22:56:00	792.0000	22.27	103.06	-.00	
08/02	22:59:00	795.0000	22.27	103.05	.00	
08/02	23:02:00	798.0000	22.28	103.06	.01	
08/02	23:05:00	801.0000	22.27	103.06	-.01	
08/02	23:08:00	804.0000	22.26	103.06	-.01	
08/02	23:11:00	807.0000	22.26	103.05	.00	
08/02	23:14:00	810.0000	22.26	103.06	-.00	
08/02	23:17:00	813.0000	22.26	103.06	.00	
08/02	23:20:00	816.0000	22.27	103.06	.01	
08/02	23:23:00	819.0000	22.30	103.06	.02	
08/02	23:26:00	822.0000	22.29	103.06	-.00	
08/02	23:29:00	825.0000	22.28	103.06	-.01	
08/02	23:32:00	828.0000	22.29	103.06	.00	

COMPANY: BP AMERICA PRODUCTION COMPANY

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WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARRIBA COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmm.mmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
08/02	23:35:00	831.0000	22.27	103.06	-.02	
08/02	23:38:00	834.0000	22.26	103.05	-.01	
08/02	23:41:00	837.0000	22.27	103.06	.01	
08/02	23:44:00	840.0000	22.27	103.06	.00	
08/02	23:47:00	843.0000	22.27	103.06	.00	
08/02	23:50:00	846.0000	22.26	103.05	-.01	
08/02	23:53:00	849.0000	22.26	103.06	-.00	
08/02	23:56:00	852.0000	22.27	103.06	.01	
08/02	23:59:00	855.0000	22.27	103.06	.00	
08/03	00:02:00	858.0000	22.27	103.06	-.01	
08/03	00:05:00	861.0000	22.27	103.06	.00	
08/03	00:08:00	864.0000	22.26	103.06	-.01	
08/03	00:11:00	867.0000	22.25	103.06	-.01	
08/03	00:14:00	870.0000	22.26	103.06	.01	
08/03	00:17:00	873.0000	22.28	103.06	.02	
08/03	00:20:00	876.0000	22.28	103.06	.00	
08/03	00:23:00	879.0000	22.28	103.06	.00	
08/03	00:26:00	882.0000	22.28	103.06	-.00	
08/03	00:29:00	885.0000	22.27	103.06	-.01	
08/03	00:32:00	888.0000	22.27	103.06	-.00	
08/03	00:35:00	891.0000	22.27	103.06	.00	
08/03	00:38:00	894.0000	22.28	103.07	.01	
08/03	00:41:00	897.0000	22.28	103.06	.00	
08/03	00:44:00	900.0000	22.28	103.06	-.00	
08/03	00:47:00	903.0000	22.27	103.06	-.01	
08/03	00:50:00	906.0000	22.26	103.06	-.01	
08/03	00:53:00	909.0000	22.25	103.06	-.01	
08/03	00:56:00	912.0000	22.26	103.06	.01	
08/03	00:59:00	915.0000	22.29	103.07	.03	
08/03	01:02:00	918.0000	22.28	103.07	-.01	
08/03	01:05:00	921.0000	22.25	103.07	-.03	
08/03	01:08:00	924.0000	22.25	103.07	.00	
08/03	01:11:00	927.0000	22.26	103.07	.00	
08/03	01:14:00	930.0000	22.26	103.06	.00	
08/03	01:17:00	933.0000	22.28	103.07	.02	
08/03	01:20:00	936.0000	22.30	103.07	.02	
08/03	01:23:00	939.0000	22.29	103.07	-.01	
08/03	01:26:00	942.0000	22.28	103.07	-.01	
08/03	01:29:00	945.0000	22.28	103.07	.00	
08/03	01:32:00	948.0000	22.28	103.07	-.00	
08/03	01:35:00	951.0000	22.25	103.07	-.02	
08/03	01:38:00	954.0000	22.27	103.07	.02	
08/03	01:41:00	957.0000	22.30	103.07	.03	
08/03	01:44:00	960.0000	22.29	103.07	-.01	
08/03	01:47:00	963.0000	22.28	103.07	-.01	
08/03	01:50:00	966.0000	22.27	103.07	-.01	
08/03	01:53:00	969.0000	22.25	103.07	-.01	
08/03	01:56:00	972.0000	22.25	103.07	-.00	
08/03	01:59:00	975.0000	22.26	103.07	.01	
08/03	02:02:00	978.0000	22.28	103.07	.02	
08/03	02:05:00	981.0000	22.28	103.07	.00	
08/03	02:08:00	984.0000	22.28	103.07	-.00	
08/03	02:11:00	987.0000	22.28	103.08	-.00	
08/03	02:14:00	990.0000	22.27	103.06	-.01	
08/03	02:17:00	993.0000	22.27	103.07	.00	
08/03	02:20:00	996.0000	22.28	103.07	.01	
08/03	02:23:00	999.0000	22.29	103.07	.00	
08/03	02:26:00	1002.0000	22.27	103.07	-.02	
08/03	02:29:00	1005.0000	22.27	103.07	-.00	
08/03	02:32:00	1008.0000	22.28	103.07	.01	
08/03	02:35:00	1011.0000	22.28	103.07	.00	
08/03	02:38:00	1014.0000	22.29	103.07	.01	
08/03	02:41:00	1017.0000	22.28	103.07	-.01	
08/03	02:44:00	1020.0000	22.25	103.07	-.02	
08/03	02:47:00	1023.0000	22.27	103.06	.02	

COMPANY: BP AMERICA PRODUCTION COMPANY

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WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARRIBA COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	mmmmmm.mmmmm	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
08/03	02:50:00	1026.0000	22.28	103.08	.01	
08/03	02:53:00	1029.0000	22.27	103.08	-.01	
08/03	02:56:00	1032.0000	22.26	103.08	-.01	
08/03	02:59:00	1035.0000	22.26	103.06	.00	
08/03	03:02:00	1038.0000	22.27	103.08	.01	
08/03	03:05:00	1041.0000	22.26	103.07	-.01	
08/03	03:08:00	1044.0000	22.25	103.08	-.00	
08/03	03:11:00	1047.0000	22.26	103.08	.00	
08/03	03:14:00	1050.0000	22.26	103.08	.00	
08/03	03:17:00	1053.0000	22.28	103.08	.01	
08/03	03:20:00	1056.0000	22.28	103.07	.00	
08/03	03:23:00	1059.0000	22.28	103.08	.00	
08/03	03:26:00	1062.0000	22.27	103.08	-.01	
08/03	03:29:00	1065.0000	22.26	103.08	-.01	
08/03	03:32:00	1068.0000	22.26	103.08	-.00	
08/03	03:35:00	1071.0000	22.26	103.08	.00	
08/03	03:38:00	1074.0000	22.26	103.08	-.00	
08/03	03:41:00	1077.0000	22.25	103.08	-.00	
08/03	03:44:00	1080.0000	22.26	103.08	.01	
08/03	03:47:00	1083.0000	22.26	103.08	.00	
08/03	03:50:00	1086.0000	22.25	103.08	-.01	
08/03	03:53:00	1089.0000	22.25	103.08	.00	
08/03	03:56:00	1092.0000	22.24	103.08	-.01	
08/03	03:59:00	1095.0000	22.24	103.08	.00	
08/03	04:02:00	1098.0000	22.25	103.08	.01	
08/03	04:05:00	1101.0000	22.25	103.08	.00	
08/03	04:08:00	1104.0000	22.26	103.08	.01	
08/03	04:11:00	1107.0000	22.26	103.08	-.00	
08/03	04:14:00	1110.0000	22.25	103.08	-.00	
08/03	04:17:00	1113.0000	22.25	103.08	.00	
08/03	04:20:00	1116.0000	22.25	103.08	.00	
08/03	04:23:00	1119.0000	22.25	103.08	.00	
08/03	04:26:00	1122.0000	22.25	103.08	.00	
08/03	04:29:00	1125.0000	22.25	103.08	.00	
08/03	04:32:00	1128.0000	22.25	103.08	.00	
08/03	04:35:00	1131.0000	22.25	103.08	.00	
08/03	04:38:00	1134.0000	22.25	103.07	.00	
08/03	04:41:00	1137.0000	22.26	103.08	.01	
08/03	04:44:00	1140.0000	22.26	103.08	.00	
08/03	04:47:00	1143.0000	22.25	103.08	-.01	
08/03	04:50:00	1146.0000	22.25	103.07	.00	
08/03	04:53:00	1149.0000	22.25	103.08	.00	
08/03	04:56:00	1152.0000	22.25	103.08	.00	
08/03	04:59:00	1155.0000	22.25	103.08	.00	
08/03	05:02:00	1158.0000	22.25	103.07	.00	
08/03	05:05:00	1161.0000	22.25	103.08	.00	
08/03	05:08:00	1164.0000	22.26	103.08	.01	
08/03	05:11:00	1167.0000	22.26	103.07	.00	
08/03	05:14:00	1170.0000	22.25	103.08	-.01	
08/03	05:17:00	1173.0000	22.26	103.08	.01	
08/03	05:20:00	1176.0000	22.26	103.08	.00	
08/03	05:23:00	1179.0000	22.27	103.08	.01	
08/03	05:26:00	1182.0000	22.27	103.07	-.00	
08/03	05:29:00	1185.0000	22.26	103.08	-.01	
08/03	05:32:00	1188.0000	22.26	103.08	.00	
08/03	05:35:00	1191.0000	22.27	103.08	.00	
08/03	05:38:00	1194.0000	22.27	103.08	.00	
08/03	05:41:00	1197.0000	22.27	103.08	.00	
08/03	05:44:00	1200.0000	22.28	103.08	.01	
08/03	05:47:00	1203.0000	22.28	103.08	.00	
08/03	05:50:00	1206.0000	22.28	103.08	-.00	
08/03	05:53:00	1209.0000	22.26	103.08	-.01	
08/03	05:56:00	1212.0000	22.28	103.08	.02	
08/03	05:59:00	1215.0000	22.29	103.08	.01	
08/03	06:02:00	1218.0000	22.27	103.08	-.03	

COMPANY: BP AMERICA PRODUCTION COMPANY

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WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date MM/DD	Time hh:mm:ss	Test Time mmmmmmmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
08/03	06:05:00	1221.0000	22.28	103.08	.01	
08/03	06:08:00	1224.0000	22.28	103.08	.00	
08/03	06:11:00	1227.0000	22.26	103.09	-.02	
08/03	06:14:00	1230.0000	22.25	103.08	-.00	
08/03	06:17:00	1233.0000	22.26	103.08	.01	
08/03	06:20:00	1236.0000	22.26	103.08	.00	
08/03	06:23:00	1239.0000	22.26	103.08	-.00	
08/03	06:26:00	1242.0000	22.26	103.08	.00	
08/03	06:29:00	1245.0000	22.26	103.08	-.00	
08/03	06:32:00	1248.0000	22.25	103.08	-.00	
08/03	06:35:00	1251.0000	22.25	103.08	.00	
08/03	06:38:00	1254.0000	22.25	103.08	.00	
08/03	06:41:00	1257.0000	22.25	103.08	.00	
08/03	06:44:00	1260.0000	22.25	103.08	.00	
08/03	06:47:00	1263.0000	22.25	103.08	.00	
08/03	06:50:00	1266.0000	22.26	103.09	.00	
08/03	06:53:00	1269.0000	22.27	103.08	.02	
08/03	06:56:00	1272.0000	22.27	103.09	-.00	
08/03	06:59:00	1275.0000	22.25	103.09	-.02	
08/03	07:02:00	1278.0000	22.25	103.09	.00	
08/03	07:05:00	1281.0000	22.25	103.08	.00	
08/03	07:08:00	1284.0000	22.26	103.08	.01	
08/03	07:11:00	1287.0000	22.26	103.08	.00	
08/03	07:14:00	1290.0000	22.25	103.09	-.01	
08/03	07:17:00	1293.0000	22.25	103.08	.00	
08/03	07:20:00	1296.0000	22.25	103.09	.00	
08/03	07:23:00	1299.0000	22.25	103.08	.00	
08/03	07:26:00	1302.0000	22.25	103.09	.00	
08/03	07:29:00	1305.0000	22.25	103.08	.00	
08/03	07:32:00	1308.0000	22.26	103.08	.00	
08/03	07:35:00	1311.0000	22.27	103.09	.01	
08/03	07:38:00	1314.0000	22.27	103.08	.00	
08/03	07:41:00	1317.0000	22.25	103.08	-.02	
08/03	07:44:00	1320.0000	22.25	103.08	.00	
08/03	07:47:00	1323.0000	22.26	103.09	.01	
08/03	07:50:00	1326.0000	22.26	103.08	-.00	
08/03	07:53:00	1329.0000	22.24	103.09	-.02	
08/03	07:56:00	1332.0000	22.24	103.09	-.00	
08/03	07:59:00	1335.0000	22.24	103.08	.00	
08/03	08:02:00	1338.0000	22.25	103.09	.01	
08/03	08:05:00	1341.0000	22.25	103.09	.00	
08/03	08:08:00	1344.0000	22.25	103.09	.00	
08/03	08:11:00	1347.0000	22.25	103.09	.00	
08/03	08:14:00	1350.0000	22.25	103.09	.00	
08/03	08:17:00	1353.0000	22.25	103.08	.00	
08/03	08:20:00	1356.0000	22.20	102.92	-.05	ELECTRONIC MEMORY INST. OFF BOTTOM
08/03	08:21:00	1357.0000	21.98	102.77	-.23	
08/03	08:22:00	1358.0000	22.16	102.61	.18	
08/03	08:23:00	1359.0000	22.61	101.96	.45	
08/03	08:24:00	1360.0000	23.70	100.74	1.09	
08/03	08:25:00	1361.0000	24.81	99.52	1.11	
08/03	08:25:15	1361.2500	24.89	99.09	.08	
08/03	08:25:30	1361.5000	25.13	98.53	.24	
08/03	08:25:45	1361.7500	25.36	97.96	.23	
08/03	08:26:00	1362.0000	25.61	97.39	.24	
08/03	08:26:15	1362.2500	25.88	96.83	.27	
08/03	08:26:30	1362.5000	26.15	96.26	.27	
08/03	08:26:45	1362.7500	26.42	95.69	.27	
08/03	08:27:00	1363.0000	26.66	95.12	.24	
08/03	08:27:15	1363.2500	26.94	94.55	.27	
08/03	08:27:30	1363.5000	27.25	93.99	.31	
08/03	08:27:45	1363.7500	27.56	93.42	.31	
08/03	08:28:00	1364.0000	27.86	92.85	.30	
08/03	08:29:00	1365.0000	27.84	90.80	-.01	
08/03	08:29:15	1365.2500	27.50	90.32	-.34	

COMPANY: BP AMERICA PRODUCTION COMPANY

PAGE 9 OF 9

WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARRIBA COUNTY, NEW MEXICO

FILE REF: F220803.RED

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
08/03	08:29:30	1365.5000	27.25	89.85	-.25	
08/03	08:29:45	1365.7500	26.96	89.36	-.29	
08/03	08:30:00	1366.0000	26.64	88.89	-.32	
08/03	08:30:15	1366.2500	26.27	88.41	-.36	
08/03	08:30:30	1366.5000	25.88	87.93	-.40	
08/03	08:30:45	1366.7500	25.52	87.45	-.36	
08/03	08:31:00	1367.0000	25.20	86.98	-.32	
08/03	08:31:15	1367.2500	24.85	86.62	-.35	
08/03	08:31:30	1367.5000	24.51	86.36	-.34	
08/03	08:31:45	1367.7500	24.20	86.10	-.31	
08/03	08:32:00	1368.0000	23.90	85.83	-.31	
08/03	08:32:15	1368.2500	23.59	85.57	-.31	
08/03	08:32:30	1368.5000	23.33	85.31	-.27	
08/03	08:32:45	1368.7500	22.95	85.04	-.37	
08/03	08:33:00	1369.0000	22.82	84.78	-.13	
08/03	08:33:15	1369.2500	22.62	84.52	-.20	
08/03	08:33:30	1369.5000	22.39	84.25	-.24	
08/03	08:33:45	1369.7500	.35	83.98	-22.04	
08/03	08:34:00	1370.0000	.01	83.73	-.34	

 *
 * E V E N T S U M M A R Y *
 *

COMPANY : BP AMERICA PRODUCTION COMPANY

PAGE : B1

WELL NAME : NEBU NO. 413

DATE : 08/04/16

WELL LOCATION : RIO ARriba COUNTY, NEW MEXICO

FILE REF: F220803.REB

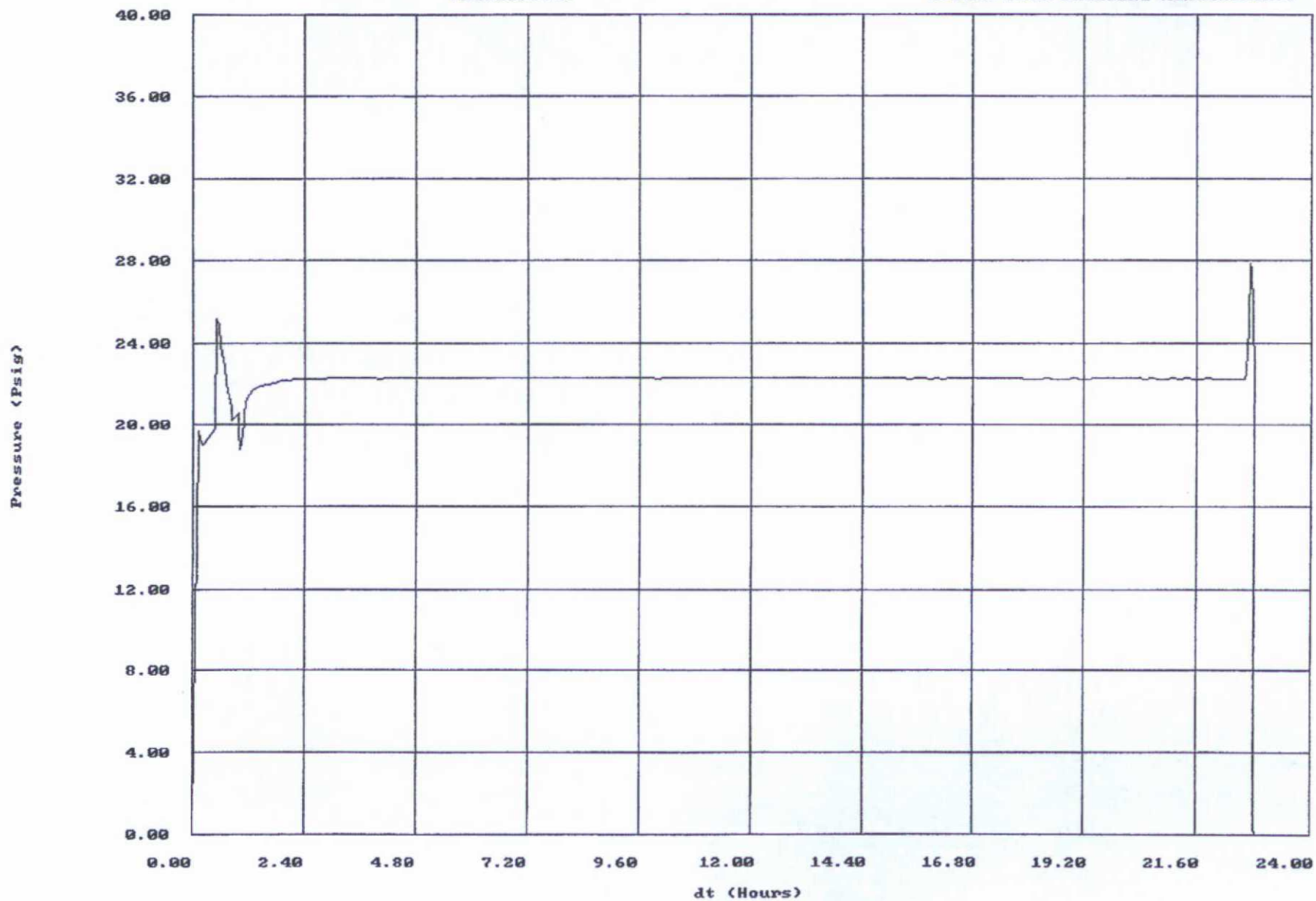
Date	Time	Test Time	Key Event	Pressure	Temp
MM/DD	hh:mm:ss	mmmmmm.mmmmm		Psig	Deg F
08/02	09:51:00	7.0000	PRESSURE UP LUBRICATOR	19.66	80.59
08/02	10:11:00	27.0000	SURFACE STOP	19.48	87.33
08/02	10:21:45	37.7500	STOP @ 1000'	23.84	78.67
08/02	10:32:00	48.0000	STOP @ 2000'	21.50	78.57
08/02	10:41:00	57.0000	STOP @ 2500'	20.37	83.61
08/02	10:51:00	67.0000	ELECTRONIC MEMORY INST. @ 3100'	20.74	91.82
08/03	08:20:00	1356.0000	ELECTRONIC MEMORY INST. OFF BOTTOM	22.20	102.92

BP AMERICA PRODUCTION COMPANY

Pressure vs dt

NEBU NO. 413
RIO ARRIBA COUNTY, NM
F220803.RED

TEFTELLER, INC.
8-2-2016
BOTTOM HOLE PRESSURE MEASUREMENTS



Company: BP AMERICA PRODUCTION COMPANY
Well: NEBU NO. 413
Field: BASIN FRUITLAND COAL
Engineer: NEIL TEFTELLER
Gauge Type: ELECTRONIC MEMORY
Gauge Range: 0 - 5000
Gauge Depth: 3100 ft
Serial No.: 220

County: RIO ARRIBA
State: NEW MEXICO
Date: 08/02/2016
Well Type: OBSERVATION WELL
Test Type: GRADIENT
Status: SHUT IN
File Name: 67005

Tubing: 2-3/8" TO 3092'
Tubing: TO
Casing: TO
Perfs.: 3152' - 3265'

PBTD 3476 ft
Oil Level
H2O Level

Shut-in BHP 21 @ 3100 ft Shut-in BHT 103 F @ 3100 ft
Shut-in WHP 19 Shut-in WHT 0 F

[Tefteller Incorporated]

#	MD	TVD	PRESSURE	PSI/ft
1	0	0	19.48	
2	1000	1000	23.72	0.004
3	2000	2000	21.45	-0.002
4	2500	2500	20.37	-0.002
5	3100	3100	20.74	0.001

