District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 37505
(505) 827-7131

Form C-140
Originated 11/1/9

Submit Original
Plus 2 Copies
to appropriate
District Office

RECEIVED
JUL 2 3 1998
OIL CON. DIV.
DIST. 3

APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Conoco Inc. OGRID #: 005073

Address: 10 Desta Drive, Suite 100W, Midland, Tx 79705-4500

Contact Party: Ray Rosato Phone: (915) 686-6116

II. Name of Well: San Juan 28-7 #111 API #: 30-039-20991
Location of Well: Unit Letter L, 2320 Feet from the S line and 1060 feet from the W line,
Section 20, Township 27N, Range 07W, NMPM, Rio Arriba County

III. Date Workover Procedures Commenced: 7-22-97
Date Workover Procedures were Completed: 7-31-97

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
Recompletion See Attached

V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
See Attached

VI. Pool(s) on which Production Projection is based: Blanco Mesa Verde

VII. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)

Tammy Kitchens, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.

2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.

3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Tammy Kitchens
(Name)

Staff Gas Assistant
(Title)

SUBSCRIBED AND SWORN TO before me this 20th day of July, 1998.

Loree A. Clay

Notary Public

LOREE A. CLAY
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Exp. July 2, 2000

My Commission expires: July 2, 2000

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 7/31, 1997

District Supervisor, District I
Oil Conservation Division

Date: 8/5/98

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: ______________________

Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

COPY

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RECEIVED
BLM

97 AUG 27 PM 12: 50

070 FARMINGTON, NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ OTHER	5. LEASE DESIGNATION AND SERIAL NO: NM 03521
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ DIFF. RESVR. ☐ OTHER	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME, WELL NO: SAN JUAN 28-7 UNIT #111
2. NAME OF OPERATOR: CONOCO, INC.	9. API WELL NO.: 30-039-20991
3. ADDRESS OF OPERATOR: 10 DESTA DRIVE, STE 100W, MIDLAND, TX 79705 (915) 686-5424	10. FIELD AND POOL, OR WILDCAT: BLANCO MESA VERDE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 2320' FSL - 1060' FWL, UNIT LETTER 'L'; At top prod. interval reported below; At total depth	11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 20-T27N-R7W

	14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
			RIO ARRIBA	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEV. (DF, RKB, RT, GR, ETC) *	19. ELEV. CASINGHEAD
9-09-78	10-01-78	7-31-97	6587' G.L.	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D. MD. & TVD	22. IF MULTIPLE COMPL. HOW MANY *	23. INTERVALS DRILLED BY
7534'			ROTARY TOOLS ☒ CABLE TOOLS ☐

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*	25. WAS DIRECTIONAL SURVEY MADE
5215' - 5551' MESA VERDE	
26. TYPE ELECTRIC AND OTHER LOGS RUN	27. WAS WELL CORED

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

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.2 #	237'	13-3/4"	224 CU. FT.	
4-1/2"	10.5#/11.6#	7534'	8-3/4" & 7-7/8"	1421 CU. FT.	

29. LINER RECORD / 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	~~7443'~~ 7451	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED STIMULATION SUMMARY		

33. * PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)	WELL STATUS (Producing or shut-in)
8-01-97	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
7-31-97	6	½"	→	1	295	1	

FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24 - HR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR)
45#	280#	→	/	295	1	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
VENTED	GLEN O PAPP

35. LIST OF ATTACHMENTS
Stimulation Summary

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Debra Bemenderfer TITLE DEBRA BEMENDERFER, As Agent for Conoco Inc. DATE 8-20-97

AUG 29 1997

FARMINGTON DISTRICT OFFICE

* (See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

COPY

CONOCO INC.
SAN JUAN 28-7 #111
API # 30-039-20991
SEC 20 - T27N - R07W UNIT LETTER "L"
2320' FSL - 940' FEL
ATTACHMENT FOR BLM 3160-4 & 3160-5

07/22/97 MIRU BIG 'A' RIG #10. SET AUX. EQUIPMENT (MUD PUMP & TANK, 2-COMPRESSORS, DRILL GAS UNIT). PUMP 20-BBLS 1% KCL WTR TO KILL WELL. ND WH. NU BOP. TOOH W/ 239-JTS (7442.37') 2-3/8" 4.7# J-55 TBG & SN.

RU BLUEJET WL, GIH W/ 4-1/2" CIBP & SET @ 5610'. FILL HOLE W/ 90-BBLS 1% KCL WTR. PRESSURE TEST CIBP & CSG TO 1000#, HELD OK. GIH W/ GR-CCL & RUN FROM 5600-5100', CORRELATE W/ SCHLUMBERGER COMPENSATED FORMATION DENSITY LOG DATE 10/1/78. GIH W/ 3-1/8" SELECT-FIRE GUN & PERF PT. LOOKOUT AS FOLLOWS: 5215'-20-25-31-38-87-90-93-96-98-5301-15-29-66-69-75-77-85-87-90-5411, 5504-29-32-51. TOTAL: 25 - 0.32" HOLES. TIH W/ 4-1/2" FULL-BORE PKR ON 2-7/8" FRAC-STRING TO 5119', SET PKR.

RU BJ SERVICES. EST. PI RATE @ 6.5 BPM & 1600# W/ 1% KCL WTR. PUMP 500-GALS 15% HCL W/ 38 BS'S (1.1 SP GR) @ 5.5 - 6.8 BPM & 1150-1480#, W/ BALLS ON PERFS @ 6.8 BPM & 1480 - 2080 - 1900#, DID NOT BALL OFF. ISIP = 440#. TIH W/ TBG & PKR TO CIBP @ 5160' TO KNOCK BALLS OFF PERFS. PU & RESET PKR @ 5119' PUMP #15 XL BORATE FRAC W/ 56,250-GALS + 74,620# 20/40 BRADY SD + 6050# 20/40 SDC @ Q-AVG = 22.5 BPM & P-AVG = 3950#, AVG SD-LADEN DENSITY = 1.73 PPG. ISIP = 550#, 5-MIN = 330#, 10-MIN = 230#, 15-MIN = 200#.

SITP = 0#. REL PKR & TOOH LAYING DOWN 2-7/8" FRAC STRING. TIH W/ 3-7/8" BAKER METAL MUNCHER MILL, BIT-SUB, AND STRING-FLOAT ON 2-3/8" TBG TO 3017'. DRILL GAS UNAVAILABLE DUE TO EPNG'S LOW-PRESSURE SYSTEM SHUT-DOWN.

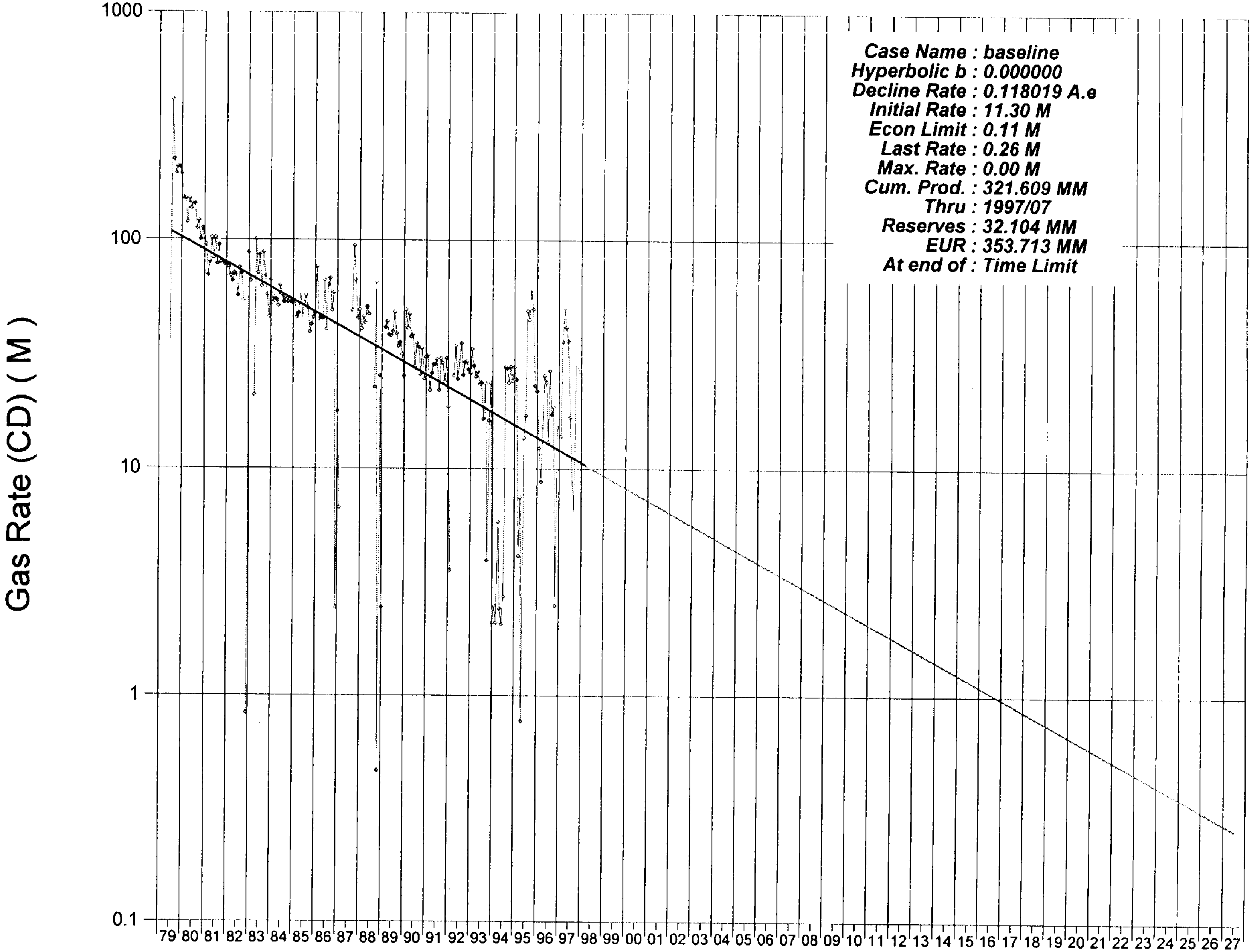
SITP = 0#. TIH & TAG SAND @ 5489', 121' OF FILL. CO SAND TO 5550' USING GAS AND FOAM SWEEPS. (DIFFICULT TO CIRCULATE HOLE DUE TO LOW EPNG LINE PRESSURE). PU TO 4935'.

11-HR SITP = 580#. BLEW WELL, RECOVERING WATER AND SAND UNTIL IT DIED. TIH & TAG SAND @ 5544', 6' OF FILL OVERNIGHT. CO SAND FILL TO CIBP @ 5610'. DO CIBP @ 5610' IN 1-1/2 HRS. TIH & TAG SAND @ 7511', 8' OF FILL. CO FILL TO PBTD @ 7519'. TOOH W/ 3-1/8" METAL MUNCHER MILL, BIT-SUB, STRING FLOAT AND 2-3/8" TBG. TIH W/ SN ON 239-JTS OF 2-3/8" TBG TO 7443'. CIRC HOLE WITH GAS, KICK WELL OFF AND BEGIN DRY-WATCHING WELL.

6-HR FLOW-TEST THRU 2" CRITICAL FLOW PROVER W/ 1/2"-CHOKE: FINAL PRESSURES: CSG = 280#, FTP = 45# CALC FLOW-RATES: 295 MCF/D + 1 BW/D + 1 BC/D. WITNESSED BY GLEN O. PAPP

7/31/97 BLED WELL OFF. ND BOP. LAND 239-JTS 2-3/8" J-55 TBG @ 7451', TOP OF SN @ 7450'. CIRC GAS DOWN CSG/TBG ANNULUS TO KICK WELL OFF. NU WH & PLUNGER MANIFOLD. RD BIG 'A' RIG #10.

SAN JUAN 28-7 111



End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
Schedule: # 1							
1997/ 8	11.18	11.24	0.35	322.0	31.8	#	1
1997/ 9	11.07	11.14	0.33	322.3	31.4	#	1
1997/10	10.95	11.00	0.34	322.6	31.1	#	1
1997/11	10.84	10.91	0.33	323.0	30.8	#	1
1997/12	10.72	10.77	0.33	323.3	30.4	#	1
1998/ 1	10.61	10.67	0.33	323.6	30.1	#	1
1998/ 2	10.50	10.59	0.30	323.9	29.8	#	1
1998/ 3	10.39	10.41	0.32	324.2	29.5	#	1
1998/ 4	10.28	10.35	0.31	324.6	29.2	#	1
1998/ 5	10.18	10.22	0.32	324.9	28.8	#	1
1998/ 6	10.07	10.14	0.30	325.2	28.5	#	1
1998/ 7	9.97	10.01	0.31	325.5	28.2	#	1
1998/ 8	9.86	9.91	0.31	325.8	27.9	#	1
1998/ 9	9.76	9.82	0.29	326.1	27.6	#	1
1998/10	9.66	9.70	0.30	326.4	27.3	#	1
1998/11	9.56	9.62	0.29	326.7	27.0	#	1
1998/12	9.46	9.50	0.29	327.0	26.7	#	1
1999/ 1	9.36	9.41	0.29	327.3	26.5	#	1
1999/ 2	9.26	9.34	0.26	327.5	26.2	#	1
1999/ 3	9.17	9.18	0.28	327.8	25.9	#	1
1999/ 4	9.07	9.13	0.27	328.1	25.6	#	1
1999/ 5	8.98	9.01	0.28	328.4	25.4	#	1
1999/ 6	8.88	8.94	0.27	328.6	25.1	#	1
1999/ 7	8.79	8.83	0.27	328.9	24.8	#	1
1999/ 8	8.70	8.74	0.27	329.2	24.5	#	1
1999/ 9	8.61	8.66	0.26	329.4	24.3	#	1
1999/10	8.52	8.55	0.27	329.7	24.0	#	1
1999/11	8.43	8.48	0.25	330.0	23.8	#	1
1999/12	8.34	8.38	0.26	330.2	23.5	#	1
2000/ 1	8.26	8.30	0.26	330.5	23.2	#	1
2000/ 2	8.17	8.23	0.24	330.7	23.0	#	1
2000/ 3	8.08	8.11	0.25	331.0	22.8	#	1
2000/ 4	8.00	8.05	0.24	331.2	22.5	#	1
2000/ 5	7.92	7.95	0.25	331.4	22.3	#	1
2000/ 6	7.83	7.88	0.24	331.7	22.0	#	1
2000/ 7	7.75	7.78	0.24	331.9	21.8	#	1
2000/ 8	7.67	7.71	0.24	332.2	21.5	#	1

End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2000/ 9	7.59	7.64	0.23	332.4	21.3	#	1
2000/10	7.51	7.54	0.23	332.6	21.1	#	1
2000/11	7.43	7.48	0.22	332.9	20.9	#	1
2000/12	7.36	7.39	0.23	333.1	20.6	#	1
2001/ 1	7.28	7.32	0.23	333.3	20.4	#	1
2001/ 2	7.20	7.27	0.20	333.5	20.2	#	1
2001/ 3	7.13	7.14	0.22	333.7	20.0	#	1
2001/ 4	7.06	7.10	0.21	333.9	19.8	#	1
2001/ 5	6.98	7.01	0.22	334.2	19.5	#	1
2001/ 6	6.91	6.95	0.21	334.4	19.3	#	1
2001/ 7	6.84	6.87	0.21	334.6	19.1	#	1
2001/ 8	6.77	6.80	0.21	334.8	18.9	#	1
2001/ 9	6.70	6.74	0.20	335.0	18.7	#	1
2001/10	6.63	6.65	0.21	335.2	18.5	#	1
2001/11	6.56	6.60	0.20	335.4	18.3	#	1
2001/12	6.49	6.52	0.20	335.6	18.1	#	1
2002/ 1	6.42	6.46	0.20	335.8	17.9	#	1
2002/ 2	6.35	6.41	0.18	336.0	17.7	#	1
2002/ 3	6.29	6.30	0.20	336.2	17.5	#	1
2002/ 4	6.22	6.26	0.19	336.4	17.3	#	1
2002/ 5	6.16	6.18	0.19	336.6	17.2	#	1
2002/ 6	6.09	6.13	0.18	336.7	17.0	#	1
2002/ 7	6.03	6.06	0.19	336.9	16.8	#	1
2002/ 8	5.97	6.00	0.19	337.1	16.6	#	1
2002/ 9	5.91	5.94	0.18	337.3	16.4	#	1
2002/10	5.84	5.87	0.18	337.5	16.2	#	1
2002/11	5.78	5.82	0.17	337.7	16.1	#	1
2002/12	5.72	5.75	0.18	337.8	15.9	#	1
2003/ 1	5.66	5.69	0.18	338.0	15.7	#	1
2003/ 2	5.60	5.65	0.16	338.2	15.5	#	1
2003/ 3	5.55	5.56	0.17	338.3	15.4	#	1
2003/ 4	5.49	5.52	0.17	338.5	15.2	#	1
2003/ 5	5.43	5.45	0.17	338.7	15.0	#	1
2003/ 6	5.37	5.41	0.16	338.8	14.9	#	1
2003/ 7	5.32	5.34	0.17	339.0	14.7	#	1
2003/ 8	5.26	5.29	0.16	339.2	14.5	#	1
2003/ 9	5.21	5.24	0.16	339.3	14.4	#	1
2003/10	5.15	5.18	0.16	339.5	14.2	#	1

27N07W20L00DK

End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2003/11	5.10	5.13	0.15	339.6	14.1	#	1
2003/12	5.05	5.07	0.16	339.8	13.9	#	1
2004/ 1	5.00	5.02	0.16	339.9	13.8	#	1
2004/ 2	4.94	4.98	0.14	340.1	13.6	#	1
2004/ 3	4.89	4.91	0.15	340.2	13.5	#	1
2004/ 4	4.84	4.87	0.15	340.4	13.3	#	1
2004/ 5	4.79	4.81	0.15	340.5	13.2	#	1
2004/ 6	4.74	4.77	0.14	340.7	13.0	#	1
2004/ 7	4.69	4.71	0.15	340.8	12.9	#	1
2004/ 8	4.64	4.67	0.14	341.0	12.7	#	1
2004/ 9	4.59	4.62	0.14	341.1	12.6	#	1
2004/10	4.55	4.57	0.14	341.3	12.5	#	1
2004/11	4.50	4.53	0.14	341.4	12.3	#	1
2004/12	4.45	4.47	0.14	341.5	12.2	#	1
2005/ 1	4.41	4.43	0.14	341.7	12.0	#	1
2005/ 2	4.36	4.40	0.12	341.8	11.9	#	1
2005/ 3	4.31	4.32	0.13	341.9	11.8	#	1
2005/ 4	4.27	4.30	0.13	342.1	11.7	#	1
2005/ 5	4.23	4.24	0.13	342.2	11.5	#	1
2005/ 6	4.18	4.21	0.13	342.3	11.4	#	1
2005/ 7	4.14	4.15	0.13	342.4	11.3	#	1
2005/ 8	4.09	4.12	0.13	342.6	11.1	#	1
2005/ 9	4.05	4.08	0.12	342.7	11.0	#	1
2005/10	4.01	4.03	0.12	342.8	10.9	#	1
2005/11	3.97	3.99	0.12	342.9	10.8	#	1
2005/12	3.93	3.94	0.12	343.1	10.7	#	1
2006/ 1	3.89	3.91	0.12	343.2	10.5	#	1
2006/ 2	3.85	3.88	0.11	343.3	10.4	#	1
2006/ 3	3.81	3.81	0.12	343.4	10.3	#	1
2006/ 4	3.77	3.79	0.11	343.5	10.2	#	1
2006/ 5	3.73	3.74	0.12	343.6	10.1	#	1
2006/ 6	3.69	3.71	0.11	343.7	10.0	#	1
2006/ 7	3.65	3.66	0.11	343.9	9.9	#	1
2006/ 8	3.61	3.63	0.11	344.0	9.7	#	1
2006/ 9	3.57	3.60	0.11	344.1	9.6	#	1
2006/10	3.54	3.55	0.11	344.2	9.5	#	1
2006/11	3.50	3.52	0.11	344.3	9.4	#	1
2006/12	3.46	3.48	0.11	344.4	9.3	#	1

27N07W20L00DK

End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2007/ 1	3.43	3.45	0.11	344.5	9.2	#	1
2007/ 2	3.39	3.42	0.10	344.6	9.1	#	1
2007/ 3	3.36	3.36	0.10	344.7	9.0	#	1
2007/ 4	3.32	3.34	0.10	344.8	8.9	#	1
2007/ 5	3.29	3.30	0.10	344.9	8.8	#	1
2007/ 6	3.25	3.27	0.10	345.0	8.7	#	1
2007/ 7	3.22	3.23	0.10	345.1	8.6	#	1
2007/ 8	3.19	3.20	0.10	345.2	8.5	#	1
2007/ 9	3.15	3.17	0.10	345.3	8.4	#	1
2007/10	3.12	3.13	0.10	345.4	8.3	#	1
2007/11	3.09	3.11	0.09	345.5	8.2	#	1
2007/12	3.05	3.07	0.10	345.6	8.1	#	1
2008/ 1	3.02	3.04	0.09	345.7	8.0	#	1
2008/ 2	2.99	3.01	0.09	345.8	7.9	#	1
2008/ 3	2.96	2.97	0.09	345.9	7.8	#	1
2008/ 4	2.93	2.95	0.09	346.0	7.8	#	1
2008/ 5	2.90	2.91	0.09	346.0	7.7	#	1
2008/ 6	2.87	2.89	0.09	346.1	7.6	#	1
2008/ 7	2.84	2.85	0.09	346.2	7.5	#	1
2008/ 8	2.81	2.82	0.09	346.3	7.4	#	1
2008/ 9	2.78	2.80	0.08	346.4	7.3	#	1
2008/10	2.75	2.76	0.09	346.5	7.2	#	1
2008/11	2.72	2.74	0.08	346.6	7.2	#	1
2008/12	2.69	2.71	0.08	346.6	7.1	#	1
2009/ 1	2.67	2.68	0.08	346.7	7.0	#	1
2009/ 2	2.64	2.66	0.07	346.8	6.9	#	1
2009/ 3	2.61	2.62	0.08	346.9	6.8	#	1
2009/ 4	2.58	2.60	0.08	347.0	6.8	#	1
2009/ 5	2.56	2.57	0.08	347.0	6.7	#	1
2009/ 6	2.53	2.55	0.08	347.1	6.6	#	1
2009/ 7	2.50	2.51	0.08	347.2	6.5	#	1
2009/ 8	2.48	2.49	0.08	347.3	6.4	#	1
2009/ 9	2.45	2.47	0.07	347.3	6.4	#	1
2009/10	2.43	2.44	0.08	347.4	6.3	#	1
2009/11	2.40	2.42	0.07	347.5	6.2	#	1
2009/12	2.38	2.39	0.07	347.6	6.1	#	1
2010/ 1	2.35	2.36	0.07	347.6	6.1	#	1
2010/ 2	2.33	2.35	0.07	347.7	6.0	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2010/ 3	2.30	2.31	0.07	347.8	5.9	#	1
2010/ 4	2.28	2.29	0.07	347.8	5.9	#	1
2010/ 5	2.25	2.26	0.07	347.9	5.8	#	1
2010/ 6	2.23	2.25	0.07	348.0	5.7	#	1
2010/ 7	2.21	2.22	0.07	348.0	5.7	#	1
2010/ 8	2.19	2.20	0.07	348.1	5.6	#	1
2010/ 9	2.16	2.18	0.07	348.2	5.5	#	1
2010/10	2.14	2.15	0.07	348.2	5.5	#	1
2010/11	2.12	2.13	0.06	348.3	5.4	#	1
2010/12	2.10	2.10	0.07	348.4	5.3	#	1
2011/ 1	2.07	2.08	0.06	348.4	5.3	#	1
2011/ 2	2.05	2.07	0.06	348.5	5.2	#	1
2011/ 3	2.03	2.03	0.06	348.6	5.1	#	1
2011/ 4	2.01	2.02	0.06	348.6	5.1	#	1
2011/ 5	1.99	2.00	0.06	348.7	5.0	#	1
2011/ 6	1.97	1.98	0.06	348.7	5.0	#	1
2011/ 7	1.95	1.96	0.06	348.8	4.9	#	1
2011/ 8	1.93	1.94	0.06	348.9	4.8	#	1
2011/ 9	1.91	1.92	0.06	348.9	4.8	#	1
2011/10	1.89	1.90	0.06	349.0	4.7	#	1
2011/11	1.87	1.88	0.06	349.0	4.7	#	1
2011/12	1.85	1.86	0.06	349.1	4.6	#	1
2012/ 1	1.83	1.84	0.06	349.2	4.6	#	1
2012/ 2	1.81	1.82	0.05	349.2	4.5	#	1
2012/ 3	1.79	1.80	0.06	349.3	4.4	#	1
2012/ 4	1.77	1.78	0.05	349.3	4.4	#	1
2012/ 5	1.75	1.76	0.05	349.4	4.3	#	1
2012/ 6	1.74	1.75	0.05	349.4	4.3	#	1
2012/ 7	1.72	1.72	0.05	349.5	4.2	#	1
2012/ 8	1.70	1.71	0.05	349.5	4.2	#	1
2012/ 9	1.68	1.69	0.05	349.6	4.1	#	1
2012/10	1.66	1.67	0.05	349.6	4.1	#	1
2012/11	1.65	1.66	0.05	349.7	4.0	#	1
2012/12	1.63	1.64	0.05	349.7	4.0	#	1
2013/ 1	1.61	1.62	0.05	349.8	3.9	#	1
2013/ 2	1.60	1.61	0.05	349.8	3.9	#	1
2013/ 3	1.58	1.58	0.05	349.9	3.8	#	1
2013/ 4	1.56	1.57	0.05	349.9	3.8	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2013/ 5	1.55	1.55	0.05	350.0	3.7	#	1
2013/ 6	1.53	1.54	0.05	350.0	3.7	#	1
2013/ 7	1.52	1.52	0.05	350.1	3.6	#	1
2013/ 8	1.50	1.51	0.05	350.1	3.6	#	1
2013/ 9	1.48	1.49	0.04	350.2	3.6	#	1
2013/10	1.47	1.47	0.05	350.2	3.5	#	1
2013/11	1.45	1.46	0.04	350.2	3.5	#	1
2013/12	1.44	1.44	0.04	350.3	3.4	#	1
2014/ 1	1.42	1.43	0.04	350.3	3.4	#	1
2014/ 2	1.41	1.42	0.04	350.4	3.3	#	1
2014/ 3	1.39	1.40	0.04	350.4	3.3	#	1
2014/ 4	1.38	1.39	0.04	350.5	3.3	#	1
2014/ 5	1.36	1.37	0.04	350.5	3.2	#	1
2014/ 6	1.35	1.36	0.04	350.5	3.2	#	1
2014/ 7	1.34	1.34	0.04	350.6	3.1	#	1
2014/ 8	1.32	1.33	0.04	350.6	3.1	#	1
2014/ 9	1.31	1.32	0.04	350.7	3.0	#	1
2014/10	1.29	1.30	0.04	350.7	3.0	#	1
2014/11	1.28	1.29	0.04	350.7	3.0	#	1
2014/12	1.27	1.27	0.04	350.8	2.9	#	1
2015/ 1	1.25	1.26	0.04	350.8	2.9	#	1
2015/ 2	1.24	1.25	0.04	350.9	2.9	#	1
2015/ 3	1.23	1.23	0.04	350.9	2.8	#	1
2015/ 4	1.22	1.22	0.04	350.9	2.8	#	1
2015/ 5	1.20	1.21	0.04	351.0	2.7	#	1
2015/ 6	1.19	1.20	0.04	351.0	2.7	#	1
2015/ 7	1.18	1.18	0.04	351.0	2.7	#	1
2015/ 8	1.17	1.17	0.04	351.1	2.6	#	1
2015/ 9	1.15	1.16	0.03	351.1	2.6	#	1
2015/10	1.14	1.15	0.04	351.2	2.6	#	1
2015/11	1.13	1.14	0.03	351.2	2.5	#	1
2015/12	1.12	1.12	0.03	351.2	2.5	#	1
2016/ 1	1.11	1.11	0.03	351.3	2.5	#	1
2016/ 2	1.10	1.10	0.03	351.3	2.4	#	1
2016/ 3	1.08	1.09	0.03	351.3	2.4	#	1
2016/ 4	1.07	1.08	0.03	351.4	2.4	#	1
2016/ 5	1.06	1.07	0.03	351.4	2.3	#	1
2016/ 6	1.05	1.06	0.03	351.4	2.3	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2016/ 7	1.04	1.04	0.03	351.4	2.3	#	1
2016/ 8	1.03	1.03	0.03	351.5	2.2	#	1
2016/ 9	1.02	1.02	0.03	351.5	2.2	#	1
2016/10	1.01	1.01	0.03	351.5	2.2	#	1
2016/11	1.00	1.00	0.03	351.6	2.1	#	1
2016/12	0.99	0.99	0.03	351.6	2.1	#	1
2017/ 1	0.98	0.98	0.03	351.6	2.1	#	1
2017/ 2	0.97	0.97	0.03	351.7	2.1	#	1
2017/ 3	0.96	0.96	0.03	351.7	2.0	#	1
2017/ 4	0.95	0.95	0.03	351.7	2.0	#	1
2017/ 5	0.94	0.94	0.03	351.7	2.0	#	1
2017/ 6	0.93	0.93	0.03	351.8	1.9	#	1
2017/ 7	0.92	0.92	0.03	351.8	1.9	#	1
2017/ 8	0.91	0.91	0.03	351.8	1.9	#	1
2017/ 9	0.90	0.90	0.03	351.9	1.9	#	1
2017/10	0.89	0.89	0.03	351.9	1.8	#	1
2017/11	0.88	0.88	0.03	351.9	1.8	#	1
2017/12	0.87	0.87	0.03	351.9	1.8	#	1
2018/ 1	0.86	0.87	0.03	352.0	1.7	#	1
2018/ 2	0.85	0.86	0.02	352.0	1.7	#	1
2018/ 3	0.84	0.84	0.03	352.0	1.7	#	1
2018/ 4	0.83	0.84	0.03	352.0	1.7	#	1
2018/ 5	0.83	0.83	0.03	352.1	1.6	#	1
2018/ 6	0.82	0.82	0.02	352.1	1.6	#	1
2018/ 7	0.81	0.81	0.03	352.1	1.6	#	1
2018/ 8	0.80	0.80	0.02	352.1	1.6	#	1
2018/ 9	0.79	0.80	0.02	352.2	1.5	#	1
2018/10	0.78	0.79	0.02	352.2	1.5	#	1
2018/11	0.78	0.78	0.02	352.2	1.5	#	1
2018/12	0.77	0.77	0.02	352.2	1.5	#	1
2019/ 1	0.76	0.76	0.02	352.3	1.4	#	1
2019/ 2	0.75	0.76	0.02	352.3	1.4	#	1
2019/ 3	0.74	0.74	0.02	352.3	1.4	#	1
2019/ 4	0.74	0.74	0.02	352.3	1.4	#	1
2019/ 5	0.73	0.73	0.02	352.4	1.4	#	1
2019/ 6	0.72	0.73	0.02	352.4	1.3	#	1
2019/ 7	0.71	0.72	0.02	352.4	1.3	#	1
2019/ 8	0.71	0.71	0.02	352.4	1.3	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2019/ 9	0.70	0.70	0.02	352.4	1.3	#	1
2019/10	0.69	0.69	0.02	352.5	1.3	#	1
2019/11	0.68	0.69	0.02	352.5	1.2	#	1
2019/12	0.68	0.68	0.02	352.5	1.2	#	1
2020/ 1	0.67	0.67	0.02	352.5	1.2	#	1
2020/ 2	0.66	0.67	0.02	352.5	1.2	#	1
2020/ 3	0.66	0.66	0.02	352.6	1.1	#	1
2020/ 4	0.65	0.65	0.02	352.6	1.1	#	1
2020/ 5	0.64	0.64	0.02	352.6	1.1	#	1
2020/ 6	0.64	0.64	0.02	352.6	1.1	#	1
2020/ 7	0.63	0.63	0.02	352.6	1.1	#	1
2020/ 8	0.62	0.63	0.02	352.7	1.1	#	1
2020/ 9	0.62	0.62	0.02	352.7	1.0	#	1
2020/10	0.61	0.61	0.02	352.7	1.0	#	1
2020/11	0.60	0.61	0.02	352.7	1.0	#	1
2020/12	0.60	0.60	0.02	352.7	1.0	#	1
2021/ 1	0.59	0.59	0.02	352.8	1.0	#	1
2021/ 2	0.58	0.59	0.02	352.8	0.9	#	1
2021/ 3	0.58	0.58	0.02	352.8	0.9	#	1
2021/ 4	0.57	0.58	0.02	352.8	0.9	#	1
2021/ 5	0.57	0.57	0.02	352.8	0.9	#	1
2021/ 6	0.56	0.56	0.02	352.8	0.9	#	1
2021/ 7	0.55	0.56	0.02	352.9	0.9	#	1
2021/ 8	0.55	0.55	0.02	352.9	0.8	#	1
2021/ 9	0.54	0.55	0.02	352.9	0.8	#	1
2021/10	0.54	0.54	0.02	352.9	0.8	#	1
2021/11	0.53	0.54	0.02	352.9	0.8	#	1
2021/12	0.53	0.53	0.02	352.9	0.8	#	1
2022/ 1	0.52	0.52	0.02	353.0	0.8	#	1
2022/ 2	0.52	0.52	0.01	353.0	0.7	#	1
2022/ 3	0.51	0.51	0.02	353.0	0.7	#	1
2022/ 4	0.50	0.51	0.02	353.0	0.7	#	1
2022/ 5	0.50	0.50	0.02	353.0	0.7	#	1
2022/ 6	0.49	0.50	0.01	353.0	0.7	#	1
2022/ 7	0.49	0.49	0.02	353.0	0.7	#	1
2022/ 8	0.48	0.49	0.02	353.1	0.6	#	1
2022/ 9	0.48	0.48	0.01	353.1	0.6	#	1
2022/10	0.47	0.48	0.01	353.1	0.6	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2022/11	0.47	0.47	0.01	353.1	0.6	#	1
2022/12	0.46	0.47	0.01	353.1	0.6	#	1
2023/ 1	0.46	0.46	0.01	353.1	0.6	#	1
2023/ 2	0.45	0.46	0.01	353.1	0.6	#	1
2023/ 3	0.45	0.45	0.01	353.2	0.5	#	1
2023/ 4	0.45	0.45	0.01	353.2	0.5	#	1
2023/ 5	0.44	0.44	0.01	353.2	0.5	#	1
2023/ 6	0.44	0.44	0.01	353.2	0.5	#	1
2023/ 7	0.43	0.43	0.01	353.2	0.5	#	1
2023/ 8	0.43	0.43	0.01	353.2	0.5	#	1
2023/ 9	0.42	0.43	0.01	353.2	0.5	#	1
2023/10	0.42	0.42	0.01	353.3	0.5	#	1
2023/11	0.41	0.42	0.01	353.3	0.4	#	1
2023/12	0.41	0.41	0.01	353.3	0.4	#	1
2024/ 1	0.41	0.41	0.01	353.3	0.4	#	1
2024/ 2	0.40	0.40	0.01	353.3	0.4	#	1
2024/ 3	0.40	0.40	0.01	353.3	0.4	#	1
2024/ 4	0.39	0.40	0.01	353.3	0.4	#	1
2024/ 5	0.39	0.39	0.01	353.3	0.4	#	1
2024/ 6	0.38	0.39	0.01	353.4	0.4	#	1
2024/ 7	0.38	0.38	0.01	353.4	0.3	#	1
2024/ 8	0.38	0.38	0.01	353.4	0.3	#	1
2024/ 9	0.37	0.38	0.01	353.4	0.3	#	1
2024/10	0.37	0.37	0.01	353.4	0.3	#	1
2024/11	0.36	0.37	0.01	353.4	0.3	#	1
2024/12	0.36	0.36	0.01	353.4	0.3	#	1
2025/ 1	0.36	0.36	0.01	353.4	0.3	#	1
2025/ 2	0.35	0.36	0.01	353.4	0.3	#	1
2025/ 3	0.35	0.35	0.01	353.5	0.3	#	1
2025/ 4	0.35	0.35	0.01	353.5	0.2	#	1
2025/ 5	0.34	0.34	0.01	353.5	0.2	#	1
2025/ 6	0.34	0.34	0.01	353.5	0.2	#	1
2025/ 7	0.34	0.34	0.01	353.5	0.2	#	1
2025/ 8	0.33	0.33	0.01	353.5	0.2	#	1
2025/ 9	0.33	0.33	0.01	353.5	0.2	#	1
2025/10	0.33	0.33	0.01	353.5	0.2	#	1
2025/11	0.32	0.32	0.01	353.5	0.2	#	1
2025/12	0.32	0.32	0.01	353.5	0.2	#	1

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End of DATE	Instant Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf		
2026/ 1	0.32	0.32	0.01	353.6	0.2	#	1
2026/ 2	0.31	0.31	0.01	353.6	0.1	#	1
2026/ 3	0.31	0.31	0.01	353.6	0.1	#	1
2026/ 4	0.31	0.31	0.01	353.6	0.1	#	1
2026/ 5	0.30	0.30	0.01	353.6	0.1	#	1
2026/ 6	0.30	0.30	0.01	353.6	0.1	#	1
2026/ 7	0.30	0.30	0.01	353.6	0.1	#	1
2026/ 8	0.29	0.29	0.01	353.6	0.1	#	1
2026/ 9	0.29	0.29	0.01	353.6	0.1	#	1
2026/10	0.29	0.29	0.01	353.6	0.1	#	1
2026/11	0.28	0.29	0.01	353.6	0.1	#	1
2026/12	0.28	0.28	0.01	353.7	0.1	#	1
2027/ 1	0.28	0.28	0.01	353.7	0.0	#	1
2027/ 2	0.28	0.28	0.01	353.7	0.0	#	1
2027/ 3	0.27	0.27	0.01	353.7	0.0	#	1
2027/ 4	0.27	0.27	0.01	353.7	0.0	#	1
2027/ 5	0.27	0.27	0.01	353.7	0.0	#	1
2027/ 6	0.26	0.27	0.01	353.7	0.0	#	1
2027/ 7	0.26	0.26	0.01	353.7	0.0	#	1