

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. 30-045-35676
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator LOGOS Operating, LLC		6. State Oil & Gas Lease No. NMNM 18463
3. Address of Operator 2010 Afton Place, Farmington NM 87401		7. Lease Name or Unit Agreement Name Athena 2308 14L
4. Well Location Unit Letter <u>L</u> : <u>2200</u> feet from the <u>FSL</u> line and <u>578</u> feet from the <u>FWL</u> line Section <u>14</u> Township <u>23N</u> Range <u>8W</u> NMPM County <u>San Juan</u>		8. Well Number <u>003H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6878		9. OGRID Number 289408
		10. Pool name or Wildcat Basin Mancos

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: Inter-well Communication ☒	

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.

DJR Operating, LLC conducted a stimulation on the following well:

30-045-35515 Betonnie Tsosie Wash Unit 108H
30-045-35514 Betonnie Tsosie Wash Unit 728H

Attached: Spreadsheet with affected well due to the stimulation activity

NMOC

DEC 04 2019

DISTRICT III

Spud Date:

Rig Release Date:

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

SIGNATURE Marie E. Florez TITLE Regulatory Specialist DATE 12/3/2019

Type or print name Marie E. Florez E-mail address: mflorez@logosresourcesllc.com PHONE: 505-787-2218

For State Use Only

ACCEPTED FOR RECORD

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Affected Wells

Well Name	API number	Formation	Operator	Date Affected	Type Communication	Volume of Communication	Highest PSI Observed	Standard Operating PSI	Results of Communication	Results of any Investigation Conducted
Athena 2308 14L 001H	30-045-35632	Basin Mancos	LOGOS Operating	8/15/2019	N/A	48%	N/A	N/A	Authorized to Flare	Gas Analysis taken on Pad
Athena 2308 14L 002H	30-045-35633	Basin Mancos	LOGOS Operating	8/15/2019	Increase in pressure and water	48%	185	100	Authorized to Flare	Gas Analysis taken on Pad
Athena 2308 14L 003H	30-045-35876	Basin Mancos	LOGOS Operating	8/15/2019	N/A	48%	N/A	N/A	Authorized to Flare	Gas Analysis taken on Pad
Stimulated Well:		Betonnies Wash Unit 108H & 728H								



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: LG190303
Cust No: 46600-11590

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: ATHENA 2308 14L 1H,2H,3H; SALES
County/State:
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source: SALES METER
Well Flowing: Y
Pressure: 94 PSIG
Flow Temp: 60 DEG. F
Ambient Temp: 71 DEG. F
Flow Rate: 900 MCF/D
Sample Method:
Sample Date: 08/25/2019
Sample Time: 11.00 PM
Sampled By: TOBY WRIGHT
Sampled by (CO): LOGOS

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	37.6893	37.5033	4.1570	0.00	0.3645
CO2	0.3672	0.3654	0.0630	0.00	0.0056
Methane	42.4602	42.2508	7.2170	428.85	0.2352
Ethane	7.5836	7.5462	2.0330	134.21	0.0787
Propane	6.8276	6.7939	1.8860	171.79	0.1040
Iso-Butane	0.8518	0.8476	0.2790	27.70	0.0171
N-Butane	2.3298	2.3183	0.7360	76.01	0.0468
I-Pentane	0.5584	0.5556	0.2050	22.34	0.0139
N-Pentane	0.5501	0.5474	0.2000	22.05	0.0137
Hexane Plus	0.7820	0.7781	0.3500	41.22	0.0259
Total	100.0000	99.5066	17.1260	924.16	0.9053

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT IDEAL: 926.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 928.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 912.7
DRY BTU @ 15.025: 947.5
REAL SPECIFIC GRAVITY: 0.9075

CYLINDER #: 4117
CYLINDER PRESSURE: 87 PSIG
ANALYSIS DATE: 08/26/2019
ANALYSIS TIME: 09:51:12 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 08/26/2019

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease: ATHENA 2308 14L 1H,2H,3H; SALES SALES METER 08/26/2019
 Stn. No.: 46600-11590
 Mtr. No.:

Smpl Date:	08/25/2019	08/25/2019	08/24/2019	08/23/2019	08/22/2019	08/21/2019	08/20/2019
Test Date:	08/26/2019	08/25/2019	08/24/2019	08/23/2019	08/22/2019	08/21/2019	08/20/2019
Run No:	LG190303	LG190302	LG190297	LG190288	LG190286	LG190280	LG190261
Nitrogen:	37.6893	40.5292	43.3477	48.8440	58.9359	51.5151	47.8752
CO2:	0.3672	0.3537	0.3220	0.3040	0.2377	0.2846	0.2853
Methane:	42.4602	41.3408	39.0075	35.5602	28.7936	34.3914	37.1391
Ethane:	7.5836	7.1331	6.8431	6.0062	4.7567	5.6373	5.8997
Propane:	6.8276	6.2592	6.0881	5.2845	4.1506	4.8088	5.0557
I-Butane:	0.8518	0.7560	0.7489	0.6657	0.5228	0.5799	0.6185
N-Butane:	2.3298	2.0420	2.0438	1.8028	1.3987	1.5298	1.6517
I-Pentane:	0.5584	0.4950	0.4951	0.4512	0.3281	0.3610	0.4292
N-Pentane:	0.5501	0.4874	0.4881	0.4481	0.3202	0.3533	0.4291
Hexane+:	0.7820	0.6036	0.6157	0.6333	0.5557	0.5388	0.6165
BTU:	928.9	867.8	835.0	751.6	599.7	696.8	750.8
GPM:	17.1260	16.7140	16.5010	15.9420	14.9380	15.5770	15.9210
SPG:	0.9075	0.8982	0.9067	0.9113	0.9199	0.9041	0.9001

08/19/2019

08/19/2019

LG190257

79.5840

0.1263

12.9626

2.3123

2.2966

0.3425

1.0325

0.3158

0.3396

0.6878

338.1

13.2190

0.9697