

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-045-35848
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
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 Heros 2308 09L Com
4. Well Location Unit Letter <u>L</u> : <u>1476</u> feet from the <u>FSL</u> line and <u>270</u> feet from the <u>FWL</u> line Section <u>09</u> Township <u>23N</u> Range <u>8W</u> NMPM County <u>San Juan</u>		8. Well Number <u>003H</u>
		9. OGRID Number 289408
		10. Pool name or Wildcat Nageezi Gallup
		11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6913

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: Inter well Communication <input checked="" type="checkbox"/>	
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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.

LOGOS Operating conducted stimulation on the following well:

Start date: 7/9/18  
 End date: 7/15/18

Type: Fracture Treatment

Volume Average: Nitrogen-51,539,740 (scf); Sand-7,136,617(lbs); Fluid-1,419,530(gals)

Results of any investigation conducted: n/a

Attached: Spreadsheet with affected wells due to stimulation activity

NMOCD

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 12/2/2019

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
Heros 2308 09L Com 1H	30-045-35688	Nageezi Gallup	LOGOS Operating	8/9/2018	increase in pressure	72%	506	100	Authorized to Flare	Gas Analysis
<b>Stimulated Well:</b>		<b>Heros 2308 09L Com 3H</b>								



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

Analysis No: N2180044  
 Cust No: 46600

**Well/Lease Information**

**LOGOS OPERATING**

Well Name: HEROS #1H  
 County/State: NEW MEXICO  
 Location:  
 Formation:  
 Meter Number:  
 Foreman: BRYAN LOVATO

Source: Meter Run  
 Well Flowing: Yes  
 Pressure: 325  
 Flow Temp: 83 F  
 Ambient Temp: 65 F  
 Sample Method: Purge & Fill  
 Date Sampled: 8/7/2018  
 Time Sampled: 5:30 AM  
 Sampled By:(Co.) LOGOS  
 Sampled By: JERONIMO C.

GPA Standard: GPA 2261-14  
 GC: SRI Instruments 8610 Last Cal/Verify: 8/7/2018

Remarks:

**Analysis**

Component:	Mole%:	Un-normalized Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	72.230	70.444	7.9527	0.00	0.6986
Methane	19.188	18.714	3.2554	193.80	0.1063
CO2, C2-C6+	8.582	8.370	2.4339	198.76	0.1256
Total	100.000	97.527	13.6420	392.56	0.9305

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	0.9990	CYLINDER #:	4010
BTU/CU.FT IDEAL:	393.5	CYLINDER PRESSURE:	36
BTU/CU.FT (DRY REAL) CORRECTED FOR (1/Z):	393.9	ANALYSIS DATE:	8/7/2018
BTU/CU.FT (WET REAL) CORRECTED FOR (1/Z):	387.0	ANALYZED BY:	Dawn Blassingame
REAL SPECIFIC GRAVITY:	0.9310		

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



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

Analysis No: N2180147  
 Cust No: 46600

**Well/Lease Information**

**LOGOS OPERATING**

Well Name: HEROS 2308 09L COM 14  
 County/State: NEW MEXICO  
 Location:  
 Formation:  
 Meter Number:  
 Foreman: BRYAN LOVATO

Source: Meter Run  
 Well Flowing: Yes  
 Pressure: 114  
 Flow Temp: 70 F  
 Ambient Temp: 29 F  
 Sample Method: Purge & Fill  
 Date Sampled: 8/27/2018  
 Time Sampled: 6:00 AM  
 Sampled By:(Co.)  
 Sampled By:

GPA Standard: GPA 2261-14  
 GC: SRI Instruments 8610 Last Cal/Verify: 8/27/2018

Remarks:

**Analysis**

Component:	Mole%:	Un-normalized Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	24.263	23.700	2.6796	0.00	0.2347
Methane	45.241	44.192	7.6992	456.93	0.2506
CO2, C2-C6+	30.496	29.790	8.6755	706.28	0.4463
Total	100.000	97.682	19.0544	1163.21	0.9315

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	0.9959	CYLINDER #:	6017
BTU/CU.FT IDEAL:	1165.9	CYLINDER PRESSURE:	80
BTU/CU.FT (DRY REAL) CORRECTED FOR (1/Z):	1170.7	ANALYSIS DATE:	8/27/2018
BTU/CU.FT (WET REAL) CORRECTED FOR (1/Z):	1150.2	ANALYZED BY:	Dawn Blassingame
REAL SPECIFIC GRAVITY:	0.9350		

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