

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. 30-045-35687
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>240</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>002H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6909</u>		9. OGRID Number <u>289408</u>
10. Pool name or Wildcat <u>Nageezi Gallup</u>		

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

NOTICE OF INTENTION TO: 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"/>		SUBSEQUENT REPORT OF: 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-43,095,203 (scf); Sand-5,984,784(lbs); Fluid-1,227,728(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

APPROVED BY: ACCEPTED FOR RECORD TITLE _____ DATE _____

Conditions of Approval (if any):

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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.