



Certificate of Analysis

Number: 6030-21030332-009A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Jerry Mathews
 Spur Energy
 1012 Marquez Place, Suite 106b
 Santa Fe, NM 87505

May 25, 2021

Station Name: Lakewood 5 Fed 21
 Station Number: N/A
 Station Location: Spur
 Sample Point: Meter Run
 Type of Sample: Spot-Cylinder
 Heat Trace Used: N/A
 Sampling Method: Fill and Purge
 Sampling Company: SPL
 Analyzed: 03/31/2021 07:12:18 by EJR

Sampled By: Donovan Miller
 Sample Of: Gas Spot
 Sample Date: 03/27/2021 12:52
 Sample Conditions: 78.3 psig, @ 72.8 °F Ambient: 63 °F
 Effective Date: 03/27/2021 12:52
 Method: GPA-2261M
 Cylinder No: 5030-00546
 Instrument: 70104251 (Inficon GC-MicroFusion)
 Last Inst. Cal.: 03/29/2021 0:00 AM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	3.60000	4.495		GPM TOTAL C2+	11.060
Nitrogen	0.736	0.71351	0.732		GPM TOTAL C3+	5.413
Methane	54.325	52.65130	30.944		GPM TOTAL iC5+	0.848
Carbon Dioxide	4.250	4.11884	6.641			
Ethane	21.662	20.99447	23.127	5.647		
Propane	11.870	11.50393	18.584	3.188		
Iso-butane	1.470	1.42451	3.033	0.469		
n-Butane	2.954	2.86249	6.095	0.908		
Iso-pentane	0.671	0.65071	1.720	0.239		
n-Pentane	0.568	0.55021	1.454	0.201		
Hexanes Plus	0.960	0.93003	3.175	0.408		
	99.466	100.00000	100.000	11.060		

Calculated Physical Properties

Relative Density Real Gas	Total	C6+
	0.9479	3.2176
Calculated Molecular Weight	27.30	93.19
Compressibility Factor	0.9939	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F


Real Gas Dry BTU	1463	5141
Water Sat. Gas Base BTU	1438	5052
Ideal, Gross HV - Dry at 14.73 psia	1454.6	5141.1
Ideal, Gross HV - Wet	1428.7	5051.6

Comments: H2S Field Content 3.6 %

Report generated by: Krystle Fitzwater

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Name of well or facility	Lat	Long	Daily Volume of Flared Natural Gas (MCF/D)	Commencement	Duration	Proposed Remedy
SHELBY 23 TANK BATTERY	32.636495	-104.449015	1241 MCF/D	8/6/2021	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1424 MCF/D	8/6/2021	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	1086 MCF/D	8/6/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2979 MCF/D	8/6/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1706 MCF/D	8/6/2021	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	789 MCF/D	8/6/2021	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	807 MCF/D	8/6/2021	Continuous	ACO Requested
JG STATE 16 7 TANK BATTERY	32.8357887	-103.7768707	70 MCF/D	8/6/2021	Continuous	Gas Rerouted
JG STATE 16 1 TANK BATTERY	32.8284187	-103.7790146	143 MCF/D	8/6/2021	Continuous	Gas Rerouted



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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 41940

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41940
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
schapman01	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/13/2021