

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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	6. State Oil & Gas Lease No. VC-0472
2. Name of Operator LOGOS Operating, LLC	7. Lease Name or Unit Agreement Name KTB 2408 32A Com
3. Address of Operator 2010 Afton Place, Farmington NM 87401	8. Well Number 002H
4. Well Location Unit Letter <u>A</u> : <u>1205</u> feet from the <u>FNL</u> line and <u>360</u> feet from the <u>FEL</u> line Section <u>32</u> Township <u>24N</u> Range <u>8W</u> NMPM County <u>San Juan</u>	9. OGRID Number 289408
10. Pool name or Wildcat Nageezi Gallup	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7013	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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 stimulation on the following wells:

30-045-35652 Crow Canyon Unit 123H
30-045-38178 Crow Canyon Unit 124H

Attached: Spreadsheet with the LOGOS Operating affected wells 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 12/4/2019

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):

4

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
KTB 2408 32A Com 001H	30-045-35911	Nageezi Gallup	LOGOS Operating, LLC	10/30/2019	increase in pressure	66%	210	70	Authorized to Flare	Gas Analysis
KTB 2408 32A Com 002H	30-045-35912	Nageezi Gallup	LOGOS Operating, LLC	10/30/2019	increase in pressure	53%	210	70	Authorized to Flare	Gas Analysis
KTB 2408 32A Com 003H	30-045-35913	Nageezi Gallup	LOGOS Operating, LLC	10/30/2019	increase in pressure	39%	210	70	Authorized to Flare	Gas Analysis
Stimulated Well: Crow Canyon 123H & 124H										



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

Analysis No: LG190410
Cust No: 46600-11515

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: **KTB** STATE 2408 32A 2H
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: NAGEEZI GALLUP
Cust. Str. No.: CC #100255A

Source: METER RUN
Well Flowing: Y
Pressure: 70 PSIG
Flow Temp: 66 DEG. F
Ambient Temp: 9 DEG. F
Flow Rate: 1533 MCF/D
Sample Method: Purge & Fill
Sample Date: 10/31/2019
Sample Time: 7.49 AM
Sampled By: DAVE SAYLOR
Sampled by (CO): IDEAL

Heat Trace: AREA 3
Remarks: N
PULLED FROM SEP. OUTLET

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	13.6033	13.8228	1.5030	0.00	0.1316
CO2	0.4557	0.4631	0.0780	0.00	0.0069
Methane	59.5001	60.4603	10.1300	600.95	0.3296
Ethane	10.7798	10.9537	2.8950	190.77	0.1119
Propane	8.6664	8.8062	2.3980	218.06	0.1319
Iso-Butane	1.0005	1.0166	0.3290	32.54	0.0201
N-Butane	2.7886	2.8336	0.8830	90.97	0.0560
I-Pentane	0.6981	0.7094	0.2560	27.93	0.0174
N-Pentane	0.7399	0.7518	0.2690	29.66	0.0184
Hexane Plus	1.7676	1.7961	0.7920	93.17	0.0585
Total	100.0000	101.6136	19.5330	1284.05	0.8823

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0045
BTU/CU.FT IDEAL: 1287.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1292.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1270.2
DRY BTU @ 15.025: 1318.6
REAL SPECIFIC GRAVITY: 0.8858

CYLINDER #: 5039
CYLINDER PRESSURE: 73 PSIG
ANALYSIS DATE: 10/31/2019
ANALYSIS TIME: 10:14:54 AM
ANALYSIS RUN BY: RICHARD WILSON

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: 10/31/2019

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease: STATE 2408 32A 2H
Stn. No.: CC #100255A
Mtr. No.:

METER RUN
NAGEEZI GALLUP

10/31/2019
46600-11515

Smpl Date:	10/31/2019	10/30/2019	09/05/2019	09/04/2019	09/03/2019	09/02/2019	08/30/2019
Test Date:	10/31/2019	10/30/2019	09/05/2019	09/04/2019	09/03/2019	09/03/2019	08/30/2019
Run No:	LG190410	LG190406	LG190351	LG190347	LG190340	LG190336	LG190325
Nitrogen:	13.6033	52.6077	27.8144	28.6757	29.1080	29.6128	38.7609
CO2:	0.4557	0.2920	0.3708	0.3712	0.3689	0.3705	0.3238
Methane:	59.5001	29.1553	50.5897	50.5082	49.7987	49.4739	44.4596
Ethane:	10.7798	6.0387	9.0663	8.9635	8.9030	8.8314	7.2343
Propane:	8.6664	5.9224	7.3099	7.0630	7.0974	7.0642	5.6393
I-Butane:	1.0005	0.7478	0.8412	0.7890	0.8102	0.8159	0.6367
N-Butane:	2.7886	2.2785	2.3077	2.1510	2.2597	2.2299	1.6824
I-Pentane:	0.6981	0.7055	0.5089	0.4579	0.4985	0.4878	0.3570
N-Pentane:	0.7399	0.8320	0.5009	0.4494	0.4925	0.4835	0.3488
Hexane+:	1.7676	1.4201	0.6902	0.5711	0.6631	0.6301	0.5572
BTU:	1292.7	789.1	1040.4	1014.1	1019.2	1010.5	856.1
GPM:	19.5330	16.2170	17.8690	17.6930	17.7280	17.6700	16.6240
SPG:	0.8858	0.9756	0.8738	0.8661	0.8740	0.8738	0.8713
	08/29/2019	08/28/2019	08/27/2019	08/26/2019	08/25/2019	08/24/2019	08/23/2019
	08/29/2019	08/28/2019	08/27/2019	08/26/2019	08/25/2019	08/24/2019	08/23/2019
	LG190320	LG190315	LG190310	LG190305	LG190299	LG190294	LG190290
	33.2602	33.7789	34.3794	35.7151	36.9332	37.5641	40.2990
	0.3516	0.3521	0.3609	0.3418	0.3427	0.3429	0.3368
	47.2721	46.9116	46.2294	45.4323	44.7306	43.7355	42.5076
	8.3771	8.2431	8.2890	8.0590	7.9617	7.9060	7.5655
	6.6281	6.5588	6.5858	6.4391	6.2288	6.4094	5.9091
	0.7455	0.7382	0.7467	0.7302	0.6939	0.7306	0.6398
	2.0030	2.0131	2.0186	1.9606	1.8557	1.9762	1.6881
	0.4251	0.4309	0.4314	0.4122	0.3886	0.4212	0.3376
	0.4152	0.4211	0.4234	0.4007	0.3793	0.4126	0.3255
	0.5221	0.5522	0.5354	0.5090	0.4855	0.5015	0.3910
	948.0	942.3	936.6	915.1	893.1	895.3	838.8
	17.2560	17.2140	17.1850	17.0400	16.8960	16.9130	16.5400
	0.8721	0.8741	0.8769	0.8770	0.8759	0.8840	0.8767