

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

CONFIDENTIAL
Form C-103
Revised July 18, 2013

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. 30-043-21234
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Energen Resources Corporation		6. State Oil & Gas Lease No. Jicarilla Apache 182
3. Address of Operator 2010 Afton Place, Farmington, NM 87401		7. Lease Name or Unit Agreement Name Chacon Jicarilla
4. Well Location Unit Letter <u>M</u> : <u>892</u> feet from the <u>South</u> line and <u>775</u> feet from the <u>West</u> line Section <u>23</u> Township <u>22N</u> Range <u>03W</u> NMPM County <u>Sandoval</u>		8. Well Number #602H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6878' GL		9. OGRID Number 162928
		10. Pool name or Wildcat West Lindrith Gallup-Dakota

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.

Energen Resources Corporation conducted stimulation on Chacon Jicarilla #602H

Start Date: 10/03/2015
End Date: 10/10/2015
Type: Nitrogen Foam
Pressure: 4994.3 psig
Volume: 80,090,892 scf N2
2,421,828 gallons fluid
4,714,720 lbs total proppant

OIL CONS. DIV DIST. 3

NOV 09 2015

Results of any investigation conducted: Gas Analysis

Attached: Spreadsheet listing affected wells due to stimulation activity

Spud Date:

07/24/2015

Rig Release Date:

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

SIGNATURE Theresa McAndrews TITLE Production Supervisor DATE 11/4/15

Type or print name Theresa McAndrews E-mail address: tmcandre@energen.com PHONE: 505-324-4168

For State Use Only

APPROVED BY: **ACCEPTED FOR RECORD** TITLE _____ DATE _____
Conditions of Approval (if any):



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL
TIGHT HOLE2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: EN150234

Cust No: 73500-14675

Well/Lease InformationCustomer Name: ENERGEN RESOURCES CORP.
Well Name: CHACO JICARILLA D #6
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP 3145289ASource: METER RUN
Pressure: 83 PSIG
Sample Temp: 62 DEG. F
Well Flowing: Y
Date Sampled: 10/19/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	44.494	4.9030	0.00	0.4303
CO2	0.464	0.0790	0.00	0.0071
Methane	42.408	7.2010	428.32	0.2349
Ethane	5.440	1.4570	96.27	0.0565
Propane	4.005	1.1050	100.77	0.0610
Iso-Butane	0.527	0.1730	17.14	0.0106
N-Butane	1.390	0.4390	45.35	0.0279
I-Pentane	0.385	0.1410	15.40	0.0096
N-Pentane	0.365	0.1330	14.63	0.0091
Hexane Plus	0.522	0.2330	27.51	0.0173
Total	100.000	15.8640	745.40	0.8642

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0019

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 748.5

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 735.5

REAL SPECIFIC GRAVITY: 0.8655

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

DRY BTU @ 14.650: 744.4

DRY BTU @ 14.696: 746.8

DRY BTU @ 14.730: 748.5

DRY BTU @ 15.025: 763.5

CYLINDER #: 4203

CYLINDER PRESSURE: 80 PSIG

DATE RUN: 10/20/15 1:32 PM

ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150241
Cust No: 73500-14710**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #9
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP3145470ASource: WELLHEAD
Pressure: 100 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 10/26/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks: WELLHEAD

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	59.713	6.5760	0.00	0.5775
CO2	0.484	0.0830	0.00	0.0074
Methane	31.996	5.4300	323.16	0.1772
Ethane	2.964	0.7940	52.45	0.0308
Propane	2.536	0.6990	63.81	0.0386
Iso-Butane	0.247	0.0810	8.03	0.0050
N-Butane	0.895	0.2820	29.20	0.0180
I-Pentane	0.267	0.0980	10.68	0.0067
N-Pentane	0.300	0.1090	12.03	0.0075
Hexane Plus	0.598	0.2670	31.52	0.0198
Total	100.000	14.4190	530.88	0.8883

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0013
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 532.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 523.5
REAL SPECIFIC GRAVITY: 0.8891GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 529.9
DRY BTU @ 14.696: 531.6
DRY BTU @ 14.730: 532.8
DRY BTU @ 15.025: 543.5CYLINDER #: 6146
CYLINDER PRESSURE: 124 PSIG
DATE RUN: 10/27/15 2:03 PM
ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL**TIGHT HOLE**2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: EN150226

Cust No: 73500-14650

Well/Lease InformationCustomer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #14; WHD
County/State: SANDOVAL
Location:
Field:
Formation:
Cust. Stn. No.: 90641-01Source: WELLHEAD
Pressure: 81 PSIA
Sample Temp: 81 DEG. F
Well Flowing: Y
Date Sampled: 10/08/2015
Sampled By: JASON PEACE
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	43.709	4.8180	0.00	0.4228
CO2	0.371	0.0630	0.00	0.0056
Methane	40.947	6.9550	413.56	0.2268
Ethane	7.182	1.9240	127.10	0.0746
Propane	4.064	1.1220	102.25	0.0619
Iso-Butane	0.526	0.1720	17.10	0.0106
N-Butane	1.378	0.4350	44.95	0.0277
I-Pentane	0.411	0.1510	16.44	0.0102
N-Pentane	0.407	0.1480	16.32	0.0101
Hexane Plus	1.005	0.4490	52.97	0.0333
Total	100.000	16.2370	790.71	0.8835

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 794.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 780.5

REAL SPECIFIC GRAVITY: 0.8851

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

DRY BTU @ 14.650: 790.0

DRY BTU @ 14.696: 792.5

DRY BTU @ 14.730: 794.3

DRY BTU @ 15.025: 810.2

CYLINDER #: 4205

CYLINDER PRESSURE: 73 PSIG

DATE RUN: 10/9/15 12:00 AM

ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL
TIGHT HOLE2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150238
Cust No: 73500-14695**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #17
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP3145766ASource: METER RUN
Pressure: 92 PSIG
Sample Temp: 74 DEG. F
Well Flowing: Y
Date Sampled: 10/20/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	33.451	3.6880	0.00	0.3235
CO2	0.516	0.0880	0.00	0.0078
Methane	51.822	8.8040	523.41	0.2870
Ethane	5.574	1.4940	98.64	0.0579
Propane	4.681	1.2920	117.78	0.0713
Iso-Butane	0.496	0.1630	16.13	0.0100
N-Butane	1.708	0.5400	55.72	0.0343
I-Pentane	0.409	0.1500	16.36	0.0102
N-Pentane	0.480	0.1740	19.24	0.0120
Hexane Plus	0.863	0.3860	45.49	0.0286
Total	100.000	16.7790	892.77	0.8425

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 897.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 881.4
REAL SPECIFIC GRAVITY: 0.8442GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 892.1
DRY BTU @ 14.696: 894.9
DRY BTU @ 14.730: 897.0
DRY BTU @ 15.025: 915.0CYLINDER #: 4199
CYLINDER PRESSURE: 82 PSIG
DATE RUN: 10/22/15 3:07 PM
ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL

TIGHT HOLE

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150242
Cust No: 73500-14715**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #19
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP3145483ASource: WELLHEAD
Pressure: 100 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 10/26/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks: WELLHEAD

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	49.484	5.4520	0.00	0.4786
CO2	0.477	0.0820	0.00	0.0072
Methane	39.073	6.6340	394.63	0.2164
Ethane	4.103	1.0990	72.61	0.0426
Propane	3.650	1.0070	91.84	0.0556
Iso-Butane	0.401	0.1310	13.04	0.0080
N-Butane	1.393	0.4400	45.44	0.0280
I-Pentane	0.370	0.1360	14.80	0.0092
N-Pentane	0.411	0.1490	16.48	0.0102
Hexane Plus	0.639	0.2850	33.68	0.0211
Total	100.000	15.4150	682.52	0.8770

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0018
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 685.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 673.4
REAL SPECIFIC GRAVITY: 0.8783GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 681.6
DRY BTU @ 14.696: 683.7
DRY BTU @ 14.730: 685.3
DRY BTU @ 15.025: 699.0CYLINDER #: 6245
CYLINDER PRESSURE: 131 PSIG
DATE RUN: 10/27/15 12:00 AM
ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL
TIGHT HOLE2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150229
Cust No: 73500-14660**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #20
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 93180-01
DP 3145484ASource: METER RUN
Pressure: 90 PSIG
Sample Temp: 81 DEG. F
Well Flowing: Y
Date Sampled: 10/06/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	82.022	9.0290	0.00	0.7933
CO2	0.452	0.0770	0.00	0.0069
Methane	12.686	2.1520	128.13	0.0703
Ethane	1.386	0.3710	24.53	0.0144
Propane	1.485	0.4090	37.36	0.0226
Iso-Butane	0.176	0.0580	5.72	0.0035
N-Butane	0.690	0.2180	22.51	0.0138
I-Pentane	0.183	0.0670	7.32	0.0046
N-Pentane	0.213	0.0770	8.54	0.0053
Hexane Plus	0.707	0.3150	37.27	0.0234
Total	100.000	12.7730	271.38	0.9581

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0008
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 272.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 267.5
REAL SPECIFIC GRAVITY: 0.9585GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 270.7
DRY BTU @ 14.696: 271.6
DRY BTU @ 14.730: 272.2
DRY BTU @ 15.025: 277.7CYLINDER #: 4036
CYLINDER PRESSURE: 73 PSIG
DATE RUN: 10/8/15 8:54 AM
ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL
TIGHT HOLE2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150237
Cust No: 73500-14690**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #10
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP3145462ASource: METER RUN
Pressure: 89 PSIG
Sample Temp: 67 DEG. F
Well Flowing: Y
Date Sampled: 10/20/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	34.561	3.8110	0.00	0.3343
CO2	0.428	0.0730	0.00	0.0065
Methane	48.158	8.1830	486.40	0.2667
Ethane	8.602	2.3060	152.23	0.0893
Propane	4.707	1.3000	118.43	0.0717
Iso-Butane	0.648	0.2130	21.07	0.0130
N-Butane	1.450	0.4580	47.30	0.0291
I-Pentane	0.413	0.1510	16.52	0.0103
N-Pentane	0.369	0.1340	14.79	0.0092
Hexane Plus	0.664	0.2970	35.00	0.0220
Total	100.000	16.9260	891.75	0.8521

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 896.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 880.5

REAL SPECIFIC GRAVITY: 0.8538

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

DRY BTU @ 14.650: 891.2

DRY BTU @ 14.696: 894.0

DRY BTU @ 14.730: 896.1

DRY BTU @ 15.025: 914.0

CYLINDER #: 7038

CYLINDER PRESSURE: 76 PSIG

DATE RUN: 10/22/15 3:06 PM

ANALYSIS RUN BY: Shyann Elledge



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL**TIGHT HOLE**2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150235
Cust No: 73500-14680**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACO JICARILLA D #16
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: DP 3145721ASource: METER RUN
Pressure: 89 PSIG
Sample Temp: 68 DEG. F
Well Flowing: Y
Date Sampled: 10/19/2015
Sampled By: BILLY STALCUP
Foreman/Engr.: BILLY STALCUP

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	38.377	4.2320	0.00	0.3712
CO2	0.461	0.0790	0.00	0.0070
Methane	43.525	7.3950	439.60	0.2411
Ethane	8.807	2.3610	155.86	0.0914
Propane	4.924	1.3600	123.89	0.0750
Iso-Butane	0.666	0.2180	21.66	0.0134
N-Butane	1.605	0.5070	52.36	0.0322
I-Pentane	0.456	0.1670	18.24	0.0114
N-Pentane	0.419	0.1520	16.80	0.0104
Hexane Plus	0.760	0.3400	40.06	0.0252
Total	100.000	16.8110	868.47	0.8782

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 872.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 857.4
REAL SPECIFIC GRAVITY: 0.88GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 867.9
DRY BTU @ 14.696: 870.6
DRY BTU @ 14.730: 872.6
DRY BTU @ 15.025: 890.1CYLINDER #: 4113
CYLINDER PRESSURE: 76 PSIG
DATE RUN: 10/20/15 1:33 PM
ANALYSIS RUN BY: PATRICIA KING



OIL CONS. DIV DIST. 3

NOV 09 2015

CONFIDENTIAL
TIGHT HOLE2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: EN150244
Cust No: 73500-14720**Well/Lease Information**Customer Name: ENERGEN RESOURCES CORP.
Well Name: CHACON JICARILLA D #18
County/State: SANDOVAL NM
Location:
Field:
Formation:
Cust. Stn. No.: DP3145768ASource: METER RUN
Pressure: 86 PSIG
Sample Temp: 66.5 DEG. F
Well Flowing: Y
Date Sampled: 10/29/2015
Sampled By: BILLY STALCUP
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	44.728	4.9290	0.00	0.4326
CO2	0.543	0.0930	0.00	0.0083
Methane	43.333	7.3580	437.66	0.2400
Ethane	4.391	1.1760	77.71	0.0456
Propane	3.685	1.0170	92.72	0.0561
Iso-Butane	0.437	0.1430	14.21	0.0088
N-Butane	1.475	0.4660	48.12	0.0296
I-Pentane	0.361	0.1320	14.44	0.0090
N-Pentane	0.398	0.1450	15.95	0.0099
Hexane Plus	0.649	0.2900	34.21	0.0215
Total	100.000	15.7490	735.03	0.8613

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0019

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 738.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 725.3

REAL SPECIFIC GRAVITY: 0.8626

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

DRY BTU @ 14.650: 734.1

DRY BTU @ 14.696: 736.4

DRY BTU @ 14.730: 738.1

DRY BTU @ 15.025: 752.9

CYLINDER #: 6164

CYLINDER PRESSURE: 80 PSIG

DATE RUN: 10/30/15 8:29 AM

ANALYSIS RUN BY: Kindra Anderson

Affected Wells

[illegible]

CONFIDENTIAL
TIGHT HOLE