## Oil, Gas, Helium Production Report

**ARIZONA GEOLOGICAL SURVEY**

**Oil, Gas, Helium Production Report**

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### MONTHLY PRODUCTION

<table>
<thead>
<tr>
<th>DAYS</th>
<th>OIL BBL</th>
<th>WATER BBL</th>
<th>GAS MCF-DISP</th>
<th>YEAR TO DATE</th>
<th>OIL BBL</th>
<th>WATER BBL</th>
<th>GAS MCF</th>
<th>ALL TIME CUMULATIVE</th>
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</table>

**DINEH-BI-KEYAH (HERMOSA)**

Nacogdoches Oil and Gas

- **01 Navajo (377)**
  - API# 02-001-20001
  - DAYS: 20
  - OIL BBL: 124
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 2,354
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 1,158,924
  - WATER BBL: 34,315
  - GAS MCF: 137,857

- **01 Navajo-138 (388)**
  - API# 02-001-20012
  - DAYS: 30
  - OIL BBL: 286
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 3,708
  - WATER BBL: 268
  - GAS MCF: 0
  - OIL BBL: 1,162,265
  - WATER BBL: 61,812
  - GAS MCF: 653,170

- **01 Navajo-88 (421)**
  - API# 02-001-20045
  - DAYS: 30
  - OIL BBL: 118
  - WATER BBL: 23
  - GAS MCF-DISP: 0
  - OIL BBL: 1,170
  - WATER BBL: 112
  - GAS MCF: 0
  - OIL BBL: 11,974
  - WATER BBL: 1,069
  - GAS MCF: 7,022

- **01 Navajo-C (484)**
  - API# 02-001-20092
  - DAYS: 30
  - OIL BBL: 17
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 127
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 8,492
  - WATER BBL: 2,092
  - GAS MCF: 2,501

- **01X Navajo-B (445)**
  - API# 02-001-20068
  - DAYS: 20
  - OIL BBL: 130
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 2,766
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 1,918,550
  - WATER BBL: 51,223
  - GAS MCF: 224,817

- **02 Navajo-88 (431)**
  - API# 02-001-20055
  - DAYS: 30
  - OIL BBL: 270
  - WATER BBL: 233
  - GAS MCF-DISP: 0
  - OIL BBL: 3,454
  - WATER BBL: 3,759
  - GAS MCF: 0
  - OIL BBL: 879,897
  - WATER BBL: 345,199
  - GAS MCF: 143,751

- **02 Navajo-B (385)**
  - API# 02-001-20010
  - DAYS: 0
  - OIL BBL: 0
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 0
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 1,953,519
  - WATER BBL: 0
  - GAS MCF: 0

- **03 Navajo-138 (723)**
  - API# 02-001-20253
  - DAYS: 29
  - OIL BBL: 167
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 2,180
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 108,043
  - WATER BBL: 5,152
  - GAS MCF: 101,371

- **03 Navajo-88 (443)**
  - API# 02-001-20066
  - DAYS: 30
  - OIL BBL: 67
  - WATER BBL: 350
  - GAS MCF-DISP: 0
  - OIL BBL: 1,013
  - WATER BBL: 2,211
  - GAS MCF: 0
  - OIL BBL: 178,389
  - WATER BBL: 60,840
  - GAS MCF: 182,629

- **03X Navajo (386)**
  - API# 02-001-20011
  - DAYS: 30
  - OIL BBL: 1
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 161
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 1,926,795
  - WATER BBL: 279,975
  - GAS MCF: 639,551

- **04 Navajo (384)**
  - API# 02-001-20099
  - DAYS: 0
  - OIL BBL: 0
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 0
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 3,625,859
  - WATER BBL: 3,157,643
  - GAS MCF: 110,983

- **06 Navajo (390)**
  - API# 02-001-20014
  - DAYS: 30
  - OIL BBL: 135
  - WATER BBL: 0
  - GAS MCF-DISP: 0
  - OIL BBL: 1,841
  - WATER BBL: 0
  - GAS MCF: 0
  - OIL BBL: 303,661
  - WATER BBL: 12,448
  - GAS MCF: 87,339

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### Oil, Gas, Helium Production Report

**NOV 2013**

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<tr>
<th>Field</th>
<th>Days</th>
<th>Oil (BBL)</th>
<th>Water (BBLs)</th>
<th>Gas (MCF)</th>
<th>Oil (BBL)</th>
<th>Water (BBLs)</th>
<th>Gas (MCF)</th>
<th>Oil (BBL)</th>
<th>Water (BBLs)</th>
<th>Gas (MCF)</th>
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### MONTHLY PRODUCTION

<table>
<thead>
<tr>
<th>DAYS</th>
<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF-DISP</th>
<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF</th>
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<td>26 Navajo (720) API# 02-001-20250</td>
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### YEAR TO DATE

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<thead>
<tr>
<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF</th>
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<tbody>
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<td>4,202</td>
<td>9,540</td>
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### ALL TIME CUMULATIVE

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<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF</th>
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<tbody>
<tr>
<td>54,711</td>
<td>110,290</td>
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### OPERATOR FIELD TOTAL

| OPERATOR FIELD TOTAL | 4,202 | 9,540 | 0 |

### ABANDONED PRODUCER

| ABANDONED PRODUCER | 2,791,624 | 1,103,617 | 429,787 |

### TOTAL DINEH-BI-KEYAH (HERMOSA)

| TOTAL DINEH-BI-KEYAH (HERMOSA) | 15,966,473 | 6,055,498 | 6,238,152 |

### DRY MESA (MISSISSIPPIAN/PARADOX)

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<tr>
<th>Navajo Nation Oil&amp;Gas Co.</th>
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<tbody>
<tr>
<td>03 Navajo-138 (115) API# 02-001-05305</td>
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<td>10 Navajo-138 (907) API# 02-001-20318</td>
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<td>OPERATOR FIELD TOTAL</td>
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### ABANDONED PRODUCER

| ABANDONED PRODUCER | 377,167 | 2,238,572 | 1,400,847 |

### TOTAL DRY MESA (MISSISSIPPIAN/PARADOX)

| TOTAL DRY MESA (MISSISSIPPIAN/PARADOX) | 852,476 | 2,890,081 | 2,506,779 |

### BLACK ROCK (ISMAY/AKAH)

<table>
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<tr>
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<tbody>
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<td>12 Black Rock (875) API# 02-001-20294</td>
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<td>20 Black Rock (882) API# 02-001-20297</td>
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### ABANDONED PRODUCER

| ABANDONED PRODUCER | 26,183 | 290,528 | 4,875,107 |

### TOTAL BLACK ROCK (ISMAY/AKAH)

| TOTAL BLACK ROCK (ISMAY/AKAH) | 69,782 | 514,853 | 9,440,490 |

### LEGEND

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ARIZONA GEOLOGICAL SURVEY
Oil, Gas, Helium Production Report

MONTHLY PRODUCTION

<table>
<thead>
<tr>
<th>DAYS</th>
<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF-DISP</th>
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YEAR TO DATE

<table>
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<tr>
<th></th>
<th>OIL BBL</th>
<th>WATER BBLS</th>
<th>GAS MCF</th>
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ALL TIME CUMULATIVE

<table>
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<th>WATER BBLS</th>
<th>GAS MCF</th>
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ABANDONED FIELDS AND UNDESIGNATED

Helium: Between 1961 and 1976 cumulative production of Helium was 9,237,801 MCF.

Gas Disposition Symbols in this Report:
V - Flared/Vented       S - Sold
U - Used on Lease       L - Lost (Mcf estimated)
All production done in Apache County.

State Permit Numbers are shown in parentheses
* - Amended Report

LEGEND ON LAST PAGE
<table>
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<tr>
<th>ST JOHNS (SUPAI)</th>
<th>10-22 State (896)</th>
<th>API# 02-001-20308</th>
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<th>S</th>
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ABANDONED FIELDS AND UNDESIGNATED

GRAND TOTALS

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<th>Days</th>
<th>CO₂ MCF-DISP</th>
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<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>377,894</td>
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Gas Disposition Symbols in this Report:
S - Sold

State Permit Numbers are shown in parentheses
* - Amended Report