

**ARIZONA OIL AND GAS CONSERVATION COMMISSION**  
Oil, Gas, Helium Production Report

Jan 2017

	MONTHLY PRODUCTION			YEAR TO DATE			ALL TIME CUMULATIVE			
	DAYS	OIL BBL	WATER BBLs	GAS MCF-DISP	OIL BBL	WATER BBLs	GAS MCF	OIL BBL	WATER BBLs	GAS MCF
<b>DINEH-BI-KEYAH (HERMOSA)</b>										
Nacogdoches Oil and Gas										
01 Navajo (377) API# 02-001-20001	31	90	92	0 S 0 U 0 V	265	206	0	1,161,020	35,601	137,857
01 Navajo-138 (388) API# 02-001-20012	0	0	0	0 S 0 U 0 V	145	1,686	0	1,165,654	66,798	653,170
01 Navajo-88 (421) API# 02-001-20045	0	0	0	0 S 0 U 0 V	0	0	0	13,570	1,093	7,022
01 Navajo-C (484) API# 02-001-20092	31	30	0	0 S 0 U 0 V	355	0	0	9,235	2,092	2,501
01X Navajo-B (445) API# 02-001-20068	0	0	0	0 S 0 U 0 V	137	547	0	1,920,617	54,091	224,817
02 Navajo-88 (431) API# 02-001-20055	31	0	0	2,220 S 0 U 0 V	0	644	14,434	883,232	348,328	157,555
02 Navajo-B (385) API# 02-001-20010	31	0	0	948 S 0 U 0 V	0	0	24,106	0	0	1,987,533
03 Navajo-138 (723) API# 02-001-20253	10	48	0	0 S 0 U 0 V	231	0	0	109,875	5,152	101,371
03 Navajo-88 (443) API# 02-001-20066	0	0	0	0 S 0 U 0 V	0	0	0	179,463	62,432	182,629
03X Navajo (386) API# 02-001-20011	0	0	0	0 S 0 U 0 V	387	5,154	0	1,931,014	306,051	639,551
04 Navajo (384) API# 02-001-20009	31	0	0	992 S 0 U 0 V	0	0	19,222	3,625,859	3,157,643	133,023
06 Navajo (390) API# 02-001-20014	0	0	0	0 S 0 U 0 V	0	0	0	304,683	13,172	87,339

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06 Navajo-88 (722) API# 02-001-20252	0	0	0	0 S 0 U 0 V	0	0	0	55,787	3,080	261,139
09 Navajo (396) API# 02-001-20020	10	96	1,328	0 S 0 U 0 V	3,281	29,874	0	1,669,037	614,518	259,211
11 Navajo (506) API# 02-001-20106	0	0	0	0 S 0 U 0 V	0	0	0	1,047,856	126,878	649,474
14 Navajo (416) API# 02-001-20040	31	59	457	0 S 0 U 0 V	353	1,938	0	322,983	25,622	148,816
15 Navajo (417) API# 02-001-20041	0	0	0	0 S 0 U 0 V	0	0	0	116,929	21,459	37,903
16 Navajo (419) API# 02-001-20043	0	0	0	0 S 0 U 0 V	0	0	0	104,844	50,974	16,680
17 Navajo (618) API# 02-001-20190	328	46	0	0 S 0 U 0 V	1,811	143	0	76,183	9,228	41,682
19 Navajo (691) API# 02-001-20240	0	0	0	0 S 0 U 0 V	440	144	0	357,115	11,857	239,279
20 Navajo (696) API# 02-001-20245	0	0	0	0 S 0 U 0 V	2	1	0	205,287	21,546	84,544
21 Navajo (693) API# 02-001-20242	0	0	0	0 S 0 U 0 V	0	0	0	102,073	41,886	29,906
22 Navajo (692) API# 02-001-20241	0	0	0	0 S 0 U 0 V	0	0	0	70,224	5,266	38,065
24 Navajo (695) API# 02-001-20244	0	0	0	0 S 0 U 0 V	0	0	0	307,872	1,223,095	55,778
25 Navajo (719) API# 02-001-20249	0	0	0	0 S 0 U 0 V	0	0	0	89,428	4,136	65,731

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26 Navajo (720) API# 02-001-20250	31	90	183	0 S 0 U 0 V	359	482	0	91,866	43,179	10,751
27 Navajo (721) API# 02-001-20251	0	0	0	0 S 0 U 0 V	28	84	0	111,801	1,755	54,683
OPERATOR FIELD TOTAL		459	2,060	4,160	7,794	40,903	57,762	16,033,507	6,256,932	6,308,010
ABANDONED PRODUCER								2,790,828	1,099,724	425,474
TOTAL DINEH-BI-KEYAH (HERMOSA)								18,824,335	7,356,656	6,733,484
<b>DRY MESA (MISSISSIPPIAN/PARADOX)</b>										
Navajo Nation Oil&Gas Co.										
03 Navajo-138 (115) API# 02-001-05305	0	0	0	0 S 0 U 0 V	0	0	0	471,577	633,841	1,021,703
10 Navajo-138 (907) API# 02-001-20318	0	0	0	0 S 0 U 0 V	0	0	0	3,925	21,599	96,262
OPERATOR FIELD TOTAL		0	0	0	0	0	0	475,502	655,440	1,117,965
ABANDONED PRODUCER								377,167	2,238,572	1,400,847
TOTAL DRY MESA (MISSISSIPPIAN/PARADOX)								852,669	2,894,012	2,518,812
<b>BLACK ROCK (ISMAY/AKAH)</b>										
Navajo Nation Oil&Gas Co.										
03 Black Rock (581) API# 02-001-20162	0	0	0	0 S 0 U 0 V	0	0	0	4,358	5,905	2,150,436
12 Black Rock (875) API# 02-001-20294	0	0	0	0 S 0 U 0 V	0	0	0	12,928	58,139	1,252,877
20 Black Rock (882) API# 02-001-20297	0	0	0	0 S 0 U 0 V	0	0	0	27,396	171,655	1,249,553
OPERATOR FIELD TOTAL		0	0	0	0	0	0	44,682	235,699	4,652,866
ABANDONED PRODUCER								26,183	290,528	4,875,107
TOTAL BLACK ROCK (ISMAY/AKAH)								70,865	526,227	9,527,973

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ABANDONED FIELDS AND UNDESIGNATED								1,497,143	5,734,304	14,789,650
<b>GRAND TOTALS</b>		<b>459</b>	<b>2,060</b>	<b>4,160</b>	<b>7,794</b>	<b>40,903</b>	<b>57,762</b>	<b>21,245,808</b>	<b>16,515,092</b>	<b>33,574,232</b>

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

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Field Operator Well	Helium Monthly Production				
	Janaury 2017				
	Days	Oil BBL	Water BBL	He MCF	DISP
<b>Pinta Dome</b>					
<b>Ranger Development</b>					
Ranger 3-1 (1204) API 02-001-20499	31	0	0	1,506	E
Ranger 33-1 (1194) API 02-001-20494	31	0	0	4,705	E
Ranger 34-1 State 13-118076 (1205) API 02-001-20500	31	0	0	4,509	E
Ranger 34-2 (1213) API 02-001-20503	31	0	0	9,369	E
<b>Navajo Springs</b>					
<b>Ranger Development LLC</b>					
Ranger 31-1 (1195) API 02-001-20495	31	0	0	15,307	E
<b>Monthly Total</b>				50,703	
<b>Operator Field Total</b>				327,189	
<b>Abandoned Producer</b>				9,237,801	
<b>Total Pinta Dome</b>				9,564,990	

**Legend**

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    State Permit numbers are shown in parentheses.

U - Used on Lease    L - Lost (MCF estimated)    \* - Amended Report

E - Explanation - The gross gas stream produced from these wells is measured at the wellsite.

Then the gas is received by a gathering system with field compression to be delivered by pipeline to a helium extraction plant located in the area. The gas produced is over 90% inert components of which helium is recovered at the plant. The natural gas portion of the produced gas is less than 1% and is not commercialized. The helium content of the wells in the fields range between 5-8% and it is the only component of the produced gas that is commercialized downstream.

All production done in Apache County.

Numbers may not total due to rounding.