

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

aug 2016

	MONTHLY PRODUCTION			GAS MCF-DISP		YEAR TO DATE			ALL TIME CUMULATIVE		
	DAYS	OIL BBL	WATER BBLs			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	0	0	0	0	S	113	76	0	1,160,868	35,471	137,857
				0	U						
				0	V						
01 Navajo-138 (388) API# 02-001-20012	31	23	283	0	S	118	1,357	0	1,165,627	66,469	653,170
				0	U						
				0	V						
01 Navajo-88 (421) API# 02-001-20045	0	0	0	0	S	0	0	0	13,570	1,093	7,022
				0	U						
				0	V						
01 Navajo-C (484) API# 02-001-20092	31	23	0	0	S	230	0	0	9,110	2,092	2,501
				0	U						
				0	V						
01X Navajo-B (445) API# 02-001-20068	0	0	0	0	S	137	547	0	1,920,617	54,091	224,817
				0	U						
				0	V						
02 Navajo-88 (431) API# 02-001-20055	31	0	0	738	S	0	0	5,805	883,232	347,684	148,926
				0	U						
				0	V						
02 Navajo-B (385) API# 02-001-20010	31	0	0	2,533	S	0	0	16,711	0	0	1,980,138
				0	U						
				0	V						
03 Navajo-138 (723) API# 02-001-20253	0	0	0	0	S	0	0	0	109,644	5,152	101,371
				0	U						
				0	V						
03 Navajo-88 (443) API# 02-001-20066	0	0	0	0	S	0	0	0	179,463	62,432	182,629
				0	U						
				0	V						
03X Navajo (386) API# 02-001-20011	0	0	0	0	S	387	5,154	0	1,931,014	306,051	639,551
				0	U						
				0	V						
04 Navajo (384) API# 02-001-20009	31	0	0	1,665	S	0	0	13,383	3,625,859	3,157,643	127,184
				0	U						
				0	V						
06 Navajo (390) API# 02-001-20014	0	0	0	0	S	0	0	0	304,683	13,172	87,339
				0	U						
				0	V						

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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	31	236	2,121	0 S 0 U 0 V	2,226	19,819	0	1,667,982	604,463	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	0	0	0	0 S 0 U 0 V	148	737	0	322,778	24,421	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	0	0	0	0 S 0 U 0 V	1,297	118	0	75,669	9,203	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	71	94	0 S 0 U 0 V	71	94	0	91,578	42,791	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		353	2,498	4,936	5,197	28,131	35,899	16,030,910	6,244,160	6,286,147
ABANDONED PRODUCER								2,790,828	1,099,724	425,474
TOTAL DINEH-BI-KEYAH (HERMOSA)								18,821,738	7,343,884	6,711,621
<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>353</b>	<b>2,498</b>	<b>4,936</b>	<b>5,197</b>	<b>28,131</b>	<b>35,899</b>	<b>21,243,211</b>	<b>16,502,320</b>	<b>33,552,369</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				DISP
		Days	Oil BBL	Water BBL	He MCF	
<b>Pinta Dome</b>						
<b>Ranger Development LLC</b>						
Ranger 31-1 (1195)						
API 02-001-20495		31	0	0	20,334	E
Ranger 3-1 (1204)						
API 02-001-20499		31	0	0	7,901	E
Ranger 33-1 (1194)						
API 02-001-20494		31	0	0	11,796	E
Ranger 34-1 State 13-118076 (1205)						
API 02-001-20500		31	0	0	4,612	E
Ranger 34-2 (1213)						
API 02-001-20503		0	0	0	0	
<b>Monthly Total</b>					44,643	
<b>Operator Field Total</b>					111,358	
<b>Abandoned Producer</b>					9,237,801	
<b>Total Pinta Dome</b>					9,349,159	

**Legend**

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

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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.