

**ARIZONA GEOLOGICAL SURVEY**  
Oil, Gas, Helium Production Report

SEP 2013

	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	29	180	0	0 S 0 U 0 V	2,027	0	0	1,158,597	34,315	137,857
01 Navajo-138 (388) API# 02-001-20012	29	278	0	0 S 0 U 0 V	3,108	268	0	1,161,665	61,812	653,170
01 Navajo-88 (421) API# 02-001-20045	29	115	30	0 S 0 U 0 V	940	61	0	11,744	1,018	7,022
01 Navajo-C (484) API# 02-001-20092	29	16	0	0 S 0 U 0 V	92	0	0	8,457	2,092	2,501
01X Navajo-B (445) API# 02-001-20068	29	131	0	0 S 0 U 0 V	2,488	0	0	1,918,272	51,223	224,817
02 Navajo-88 (431) API# 02-001-20055	26	235	271	0 S 0 U 0 V	2,927	3,243	0	879,370	344,683	143,751
02 Navajo-B (385) API# 02-001-20010	2	0	0	0 S 10 U 0 V	0	0	0	0	0	1,953,519
03 Navajo-138 (723) API# 02-001-20253	29	163	0	0 S 0 U 0 V	1,827	0	0	107,690	5,152	101,371
03 Navajo-88 (443) API# 02-001-20066	26	59	408	0 S 0 U 0 V	882	1,437	0	178,258	60,066	182,629
03X Navajo (386) API# 02-001-20011	0	0	0	0 S 0 U 0 V	142	0	0	1,926,776	279,975	639,551
04 Navajo (384) API# 02-001-20009	0	0	0	0 S 0 U 0 V	0	0	0	3,625,859	3,157,643	110,983
06 Navajo (390) API# 02-001-20014	29	131	0	0 S 0 U 0 V	1,563	0	0	303,383	12,448	87,339

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06 Navajo-88 (722) API# 02-001-20252	27	152	0	0 S 0 U 0 V	1,861	0	0	52,886	728	261,139
09 Navajo (396) API# 02-001-20020	29	491	1,089	0 S 0 U 0 V	1,928	4,010	0	1,661,741	561,526	259,211
11 Navajo (506) API# 02-001-20106	8	289	384	0 S 0 U 0 V	4,682	5,882	0	1,033,457	89,830	649,474
14 Navajo (416) API# 02-001-20040	29	115	0	0 S 0 U 0 V	697	0	0	320,964	21,091	148,816
15 Navajo (417) API# 02-001-20041	23	52	240	0 S 0 U 0 V	765	1,590	0	115,952	19,351	37,903
16 Navajo (419) API# 02-001-20043	29	344	1,664	0 S 0 U 0 V	2,866	8,916	0	99,620	44,731	16,680
17 Navajo (618) API# 02-001-20190	29	16	0	0 S 0 U 0 V	157	0	0	74,236	8,931	41,682
19 Navajo (691) API# 02-001-20240	29	196	0	0 S 0 U 0 V	2,145	0	0	355,212	11,443	239,279
20 Navajo (696) API# 02-001-20245	29	131	30	0 S 0 U 0 V	1,220	53	0	203,530	21,210	84,544
21 Navajo (693) API# 02-001-20242	29	180	0	0 S 0 U 0 V	1,589	0	0	101,067	41,587	29,906
22 Navajo (692) API# 02-001-20241	22	149	0	0 S 0 U 0 V	1,800	0	0	69,151	4,675	38,065
24 Navajo (695) API# 02-001-20244	29	523	6,413	0 S 0 U 0 V	5,651	60,543	0	301,317	1,153,167	55,778
25 Navajo (719) API# 02-001-20249	29	98	0	0 S 0 U 0 V	1,192	0	0	87,691	3,842	65,731

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26 Navajo (720) API# 02-001-20250	15	42	141	0 S 0 U 0 V	1,808	3,397	0	90,488	41,069	10,751
27 Navajo (721) API# 02-001-20251	29	147	0	0 S 0 U 0 V	1,538	0	0	110,274	1,000	54,683
OPERATOR FIELD TOTAL ABANDONED PRODUCER TOTAL DINEH-BI-KEYAH (HERMOSA)		4,233	10,670	10	45,895	89,400	0	15,957,657 2,791,624 18,749,281	6,034,608 1,103,617 7,138,225	6,238,152 429,787 6,667,939
<b>DRY MESA (MISSISSIPPIAN/PARADOX)</b>										
Navajo Nation Oil&Gas Co.										
03 Navajo-138 (115) API# 02-001-05305	30	0	662	0 S 1,038 U 0 V	28	1,437	99	471,495	633,683	1,021,659
10 Navajo-138 (907) API# 02-001-20318	0	0	0	0 S 10 U 0 V	146	4,148	4,002	3,814	16,471	82,157
OPERATOR FIELD TOTAL ABANDONED PRODUCER TOTAL DRY MESA (MISSISSIPPIAN/PARADOX)		0	662	1,038	174	5,585	4,101	475,309 377,167 852,476	650,154 2,238,572 2,888,726	1,103,816 1,400,847 2,504,663
<b>BLACK ROCK (ISMAY/AKAH)</b>										
Navajo Nation Oil&Gas Co.										
03 Black Rock (581) API# 02-001-20162	18	0	13	3,259 S 0 U 0 V	0	46	14,843	4,325	5,798	2,103,857
12 Black Rock (875) API# 02-001-20294	27	6	383	2,567 S 0 U 0 V	314	4,450	10,283	12,520	53,664	1,230,076
20 Black Rock (882) API# 02-001-20297	27	5	593	3,237 S 0 U 0 V	456	6,381	13,366	26,529	162,860	1,214,510
OPERATOR FIELD TOTAL ABANDONED PRODUCER TOTAL BLACK ROCK (ISMAY/AKAH)		11	989	9,063	770	10,877	38,492	43,374 26,183 69,557	222,322 290,528 512,850	4,548,443 4,875,107 9,423,550

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ABANDONED FIELDS AND UNDESIGNATED								1,497,143	5,734,304	14,789,650
<b>GRAND TOTALS</b>		<b>4,244</b>	<b>12,321</b>	<b>10,111</b>	<b>46,839</b>	<b>105,862</b>	<b>42,593</b>	<b>21,168,457</b>	<b>16,274,105</b>	<b>33,385,802</b>

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

All production done in Apache County.

Run Date 5/22/2014  
6:35:44 AM

**ARIZONA GEOLOGICAL SURVEY**  
Supplemental CO<sub>2</sub> Production Report

SEP 2013

	<b>MONTHLY PRODUCTION</b>	<b>YEAR TO DATE</b>	<b>ALL TIME CUMULATIVE</b>
<b>DAYS</b>	<b>CO<sub>2</sub> MCF-DISP</b>	<b>CO<sub>2</sub> MCF</b>	<b>CO<sub>2</sub> MCF</b>
<b>ST JOHNS (SUPAI)</b>			
Kinder Morgan CO2 Company			
10-22 State (896)	0 S	0	377,894
API# 02-001-20308			
<b>ABANDONED FIELDS AND UNDESIGNATED</b>			0
<b>GRAND TOTALS</b>	<b>0</b>	<b>0</b>	<b>377,894</b>

Gas Disposition Symbols in this Report:

S - Sold

State Permit Numbers are shown in parentheses

\* - Amended Report