

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

NOV 2012

	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	30	268	0	0 S 0 U 0 V	2,964	0	0	1,156,300	34,315	137,857
01 Navajo-138 (388) API# 02-001-20012	30	415	0	0 S 0 U 0 V	4,357	0	0	1,158,234	61,544	653,170
01 Navajo-88 (421) API# 02-001-20045	30	196	0	0 S 0 U 0 V	411	188	0	10,753	957	7,022
01 Navajo-C (484) API# 02-001-20092	2	2	0	0 S 0 U 0 V	63	0	0	8,365	2,092	2,501
01X Navajo-B (445) API# 02-001-20068	30	390	0	0 S 0 U 0 V	4,449	0	0	1,915,392	51,223	224,817
02 Navajo-88 (431) API# 02-001-20055	30	390	423	0 S 0 U 0 V	3,579	3,257	0	876,051	340,988	143,751
02 Navajo-B (385) API# 02-001-20010	0	0	0	0 S 0 U 0 V	0	0	0	0	0	1,953,519
03 Navajo-138 (723) API# 02-001-20253	30	245	0	0 S 0 U 0 V	1,785	0	0	105,674	5,152	101,371
03 Navajo-88 (443) API# 02-001-20066	0	0	0	0 S 0 U 0 V	0	0	0	177,376	58,629	182,629
03X Navajo (386) API# 02-001-20011	30	49	0	0 S 0 U 0 V	120	0	0	1,926,585	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	28	183	0	0 S 0 U 0 V	1,665	0	0	301,623	12,448	87,339

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06 Navajo-88 (722) API# 02-001-20252	30	244	0	0 S 0 U 0 V	602	0	0	50,779	728	261,139
09 Navajo (396) API# 02-001-20020	30	610	254	0 S 0 U 0 V	2,621	1,062	0	1,659,641	557,245	259,211
11 Navajo (506) API# 02-001-20106	30	488	0	0 S 0 U 0 V	4,840	0	0	1,028,284	83,045	649,474
14 Navajo (416) API# 02-001-20040	30	171	0	0 S 0 U 0 V	603	0	0	320,095	21,091	148,816
15 Navajo (417) API# 02-001-20041	0	0	0	0 S 0 U 0 V	0	0	0	115,187	17,761	37,903
16 Navajo (419) API# 02-001-20043	0	0	0	0 S 0 U 0 V	0	0	0	96,754	35,815	16,680
17 Navajo (618) API# 02-001-20190	30	24	0	0 S 0 U 0 V	155	0	0	74,054	8,931	41,682
19 Navajo (691) API# 02-001-20240	8	78	0	0 S 0 U 0 V	78	0	0	352,773	11,443	239,279
20 Navajo (696) API# 02-001-20245	30	171	0	0 S 0 U 0 V	171	0	0	202,138	21,157	84,544
21 Navajo (693) API# 02-001-20242	30	268	0	0 S 0 U 0 V	1,646	0	0	99,429	41,587	29,906
22 Navajo (692) API# 02-001-20241	30	292	0	0 S 0 U 0 V	3,627	12	0	67,229	4,675	38,065
24 Navajo (695) API# 02-001-20244	30	781	6,090	0 S 0 U 0 V	7,998	51,821	0	294,881	1,086,120	55,778
25 Navajo (719) API# 02-001-20249	30	170	0	0 S 0 U 0 V	285	0	0	86,328	3,842	65,731

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26 Navajo (720) API# 02-001-20250	30	244	423	0 S 0 U 0 V	1,398	1,822	0	88,483	37,582	10,751
27 Navajo (721) API# 02-001-20251	30	220	0	0 S 0 U 0 V	1,576	318	0	108,516	1,000	54,683
OPERATOR FIELD TOTAL		5,899	7,190	0	44,993	58,480	0	15,906,783	5,936,988	6,238,152
ABANDONED PRODUCER								2,791,624	1,103,617	429,787
TOTAL DINEH-BI-KEYAH (HERMOSA)								18,698,407	7,040,605	6,667,939
<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	354	3,782	29,562	471,353	632,246	1,021,560
10 Navajo-138 (907) API# 02-001-20318	4	25	0	0 S 0 U 0 V	133	27	41	3,642	12,323	78,155
OPERATOR FIELD TOTAL		25	0	0	487	3,809	29,603	474,995	644,569	1,099,715
ABANDONED PRODUCER								377,167	2,238,572	1,400,847
TOTAL DRY MESA (MISSISSIPPIAN/PARADOX)								852,162	2,883,141	2,500,562
<b>EAST BOUNDARY BUTTE (PARADOX)</b>										
Elm Ridge Resources, Inc.										
01 Navajo (28) API# 02-001-05199	0	0	0	0 S 0 U 0 V	0	0	0	147,883	696,249	2,054,982
02 Navajo (22) API# 02-001-05200	0	0	0	0 S 0 U 0 V	0	0	0	22,179	14,621	1,845,659
03-11 Navajo (490) API# 02-001-20095	0	0	0	0 S 0 U 0 V	0	0	0	11,323	276,138	83,480
OPERATOR FIELD TOTAL		0	0	0	0	0	0	181,385	987,008	3,984,121
ABANDONED PRODUCER								709,320	4,177,141	5,858,349
TOTAL EAST BOUNDARY BUTTE (PARADOX)								890,705	5,164,149	9,842,470

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	DAYS	OIL BBL	WATER BBLS	GAS MCF-DISP	OIL BBL	WATER BBLS	GAS MCF	OIL BBL	WATER BBLS	GAS MCF
<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	7	80	35,416	4,325	5,752	2,089,014
12 Black Rock (875) API# 02-001-20294	0	0	0	0 S 0 U 0 V	349	3,120	17,288	12,115	49,004	1,219,695
20 Black Rock (882) API# 02-001-20297	24	0	0	0 S 964 U 0 V	636	6,210	33,754	25,807	155,705	1,200,859
OPERATOR FIELD TOTAL		0	0	964	992	9,410	86,458	42,247	210,461	4,509,568
ABANDONED PRODUCER								26,183	290,528	4,875,107
TOTAL BLACK ROCK (ISMAY/AKAH)								68,430	500,989	9,384,675
ABANDONED FIELDS AND UNDESIGNATED								606,438	570,155	4,947,180
<b>GRAND TOTALS</b>		<b>5,924</b>	<b>7,190</b>	<b>964</b>	<b>46,472</b>	<b>71,699</b>	<b>116,061</b>	<b>21,116,142</b>	<b>16,159,039</b>	<b>33,342,826</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

U - Used on Lease      L - Lost (Mcf estimated)

All production done in Apache County.

State Permit Numbers are shown in parentheses

\* - Amended Report

Run Date 1/16/2013  
9:18:02 AM

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

NOV 2012

	<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>			
Ridgeway Arizona Oil Corp			
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