

2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. NO100009
 CUST. NO. 53800 - 10030

30-045-25103

WELL/LEASE INFORMATION

CUSTOMER NAME	NACOGDOCHES OIL & GAS	SOURCE	WELLHEAD
WELL NAME	NAVAJO 29-2	PRESSURE	390 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	02/28/2010
FORMATION		SAMPLED BY	R. BENALLY
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS NITROGEN % INCLUDES HE= 4.1820% (41,820 PPM)

COMPONENT	MOLE %	ANALYSIS		
		GPM**	B.T.U.*	SP.GR *
NITROGEN	95.072	0.0000	0.00	0.9195
CO2	0.090	0.0000	0.00	0.0014
METHANE	3.330	0.0000	33.71	0.0184
ETHANE	0.290	0.0775	5.14	0.0030
PROPANE	0.208	0.0573	5.25	0.0032
I-BUTANE	0.068	0.0222	2.22	0.0014
N-BUTANE	0.113	0.0356	3.69	0.0023
I-PENTANE	0.077	0.0282	3.09	0.0019
N-PENTANE	0.083	0.0301	3.33	0.0021
HEXANE PLUS	0.669	0.2985	35.38	0.0222
TOTAL	100.000	0.5494	91.81	0.9753

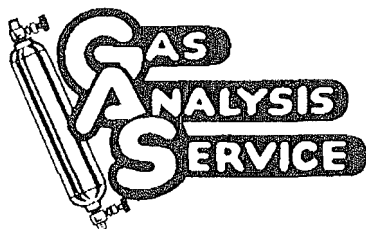
* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0000	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	91.9	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	91.1	
REAL SPECIFIC GRAVITY	0.9754	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	91.4	CYLINDER #	4240
DRY BTU @ 14.696	91.6	CYLINDER PRESSURE	281 PSIG
DRY BTU @ 14.730	91.9	DATE RUN	03/10/2010
DRY BTU @ 15.025	93.7	ANALYSIS RUN BY	DAWN BLASSINGAME



NACOGDOCHES OIL & GAS
WELL ANALYSIS COMPARISON

LEASE : NAVAJO 29-2
STN.NO. :
MTR.NO. :

WELLHEAD

3/10/2010
53800 - 10030

SMPL DATE	02/28/2010	01/31/2010	12/31/2009	11/27/2009	10/29/2009	09/30/2009
TEST DATE	03/10/2010	02/11/2010	01/13/2010	12/03/2009	11/04/2009	10/05/2009
RUN NR.	NO100009	NO100008	NO100003	NO290061	NO290057	NO290054
NITROGEN	95.072	94.500	95.119	95.410	95.003	92.640
CO2	0.090	0.067	0.064	0.508	0.046	0.047
METHANE	3.330	4.308	3.331	2.871	3.460	4.650
ETHANE	0.290	0.342	0.309	0.244	0.302	0.479
PROPANE	0.208	0.243	0.204	0.204	0.220	0.375
I-BUTANE	0.068	0.068	0.068	0.068	0.071	0.141
N-BUTANE	0.113	0.135	0.114	0.143	0.147	0.325
I-PENTANE	0.077	0.057	0.074	0.073	0.078	0.162
N-PENTANE	0.083	0.073	0.099	0.093	0.100	0.205
HEXANE +	0.669	0.207	0.618	0.386	0.573	0.976
BTU	91.9	78.6	90.0	72.3	90.2	146.2
GPM	0.5494	0.3628	0.5357	0.4214	0.5313	0.9489
SP.GRAV.	0.9754	0.9604	0.9743	0.9728	0.9725	0.9832

09/30/2009	08/31/2009	07/31/2009	06/26/2009	05/31/2009	04/30/2009	03/29/2009
10/05/2009	09/04/2009	08/04/2009	06/30/2009	06/03/2009	05/11/2009	03/31/2009
NO290053	NO290049	NO290045	NO290038	NO290033	NO290029	NO290018
95.118	95.280	95.202	95.288	95.223	95.250	95.250
0.045	0.047	0.043	0.074	0.059	0.046	0.131
3.432	3.470	3.453	3.477	3.484	3.455	3.469
0.297	0.301	0.301	0.304	0.306	0.298	0.304
0.215	0.201	0.218	0.220	0.227	0.211	0.220
0.068	0.069	0.069	0.069	0.069	0.067	0.069
0.139	0.140	0.141	0.142	0.142	0.137	0.141
0.066	0.071	0.070	0.066	0.067	0.065	0.063
0.087	0.073	0.088	0.081	0.086	0.087	0.080
0.533	0.348	0.415	0.279	0.337	0.384	0.273
86.3	76.4	80.8	73.6	77.1	78.5	73.0
0.4982	0.4102	0.4502	0.3872	0.4177	0.4295	0.3827
0.9713	0.9666	0.9685	0.9653	0.9668	0.9676	0.9656

02/13/2009	01/18/2009	12/31/2008	11/30/2008	10/27/2008	09/28/2008	08/20/2008
02/17/2009	01/20/2009	01/05/2009	12/03/2008	11/30/2008	10/01/2008	08/28/2008
NO290013	NO290008	NO290004	NO280068	NO280063	NO280054	NO280049
95.196	95.082	95.126	94.652	95.033	96.834	97.155
0.059	0.105	0.048	0.380	0.045	0.083	0.044
3.467	3.449	3.640	3.935	3.476	2.032	1.870
0.302	0.297	0.312	0.292	0.289	0.464	0.309
0.216	0.216	0.230	0.202	0.208	0.172	0.173
0.069	0.067	0.072	0.057	0.077	0.054	0.054
0.142	0.137	0.145	0.113	0.165	0.107	0.109
0.066	0.073	0.063	0.047	0.071	0.046	0.044
0.087	0.085	0.079	0.062	0.100	0.057	0.057
0.396	0.489	0.285	0.260	0.536	0.151	0.185
79.7	84.3	75.9	73.8	88.7	50.5	48.0
0.4399	0.4797	0.3949	0.3436	0.5131	0.3277	0.3016
0.9680	0.9703	0.9648	0.9640	0.9724	0.9674	0.9686