

The ConocoPhillips logo is displayed in white text on a black rectangular background.

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Fax

To: Charlie Perrin**From:** Tim Tomberlin**Fax:** 505-334-6170**Pages:** 6**Phone:**

30-045-10457

Date: 12/19/2002**Re:** Heritage Phillips well 32-8 #15**CC:** Craig Moody☐ **Urgent**☐ **For Review**☒ **Please Comment**☐ **Please Reply**☐ **Please Recycle**

Charlie,

As per your discussion with Craig Moody, here is the information you requested on the 32-8 #15. We think the well is ok – but wanted to get your consensus. Attached is a wellbore schematic along with gas analysis from the intermediate and the meter tube showing different compositions and BTUs. Please feel free to call me at 832-486-2328 (office), 281-705-9421 (cell), or Craig Moody at 281-744-6205 (cell); or email at Timothy.A.Tomberlin@conocophillips.com.

I look forward to hearing from you.

Thank you,

Tim Tomberlin

Production Engineer



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

ALBANY DISTRICT OFFICE

1800 ESO BRADEN ROAD

(505) 334-6770 FAX: (505) 334-6771

HTTP://WWW.STATE.NM.GOV/ENERGY/REGISTRATION

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 10-24-02 Operator Phillips Petroleum Company --017654 API # 300 4510457
 Property Name SJ 32-8 Unit Well No. 015 Location: Unit M Section 24 Township 31N Range 8W
 Pressure (Shut-in or Producing) _____ Tubing 110 Intermediate 143 Casing 145 Bradenhead 0

**OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE
INDIVIDUALLY FOR 15 MINUTES EACH**

TIME	BH blowdown	Intermed Pressure	Prod Casing Pressure	Intermed blowdown	Prod Casing Pressure		BH Flowed	Interm Flowed
5 minutes	0	143	145	21	145	Steady Flow		X
10 minutes		1		15	140	Surges		
15 minutes				12	140	Down to Nothing		
20 minutes				14	140	Nothing	X	
25 minutes				11	140	Gas		X
30 minutes				11	140	Gas & Water		
						Water		

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

Do a 5 minute Shut-in on Bradenhead and record pressure

" " " " " " Intermediate " " "

0 #
65 #

37

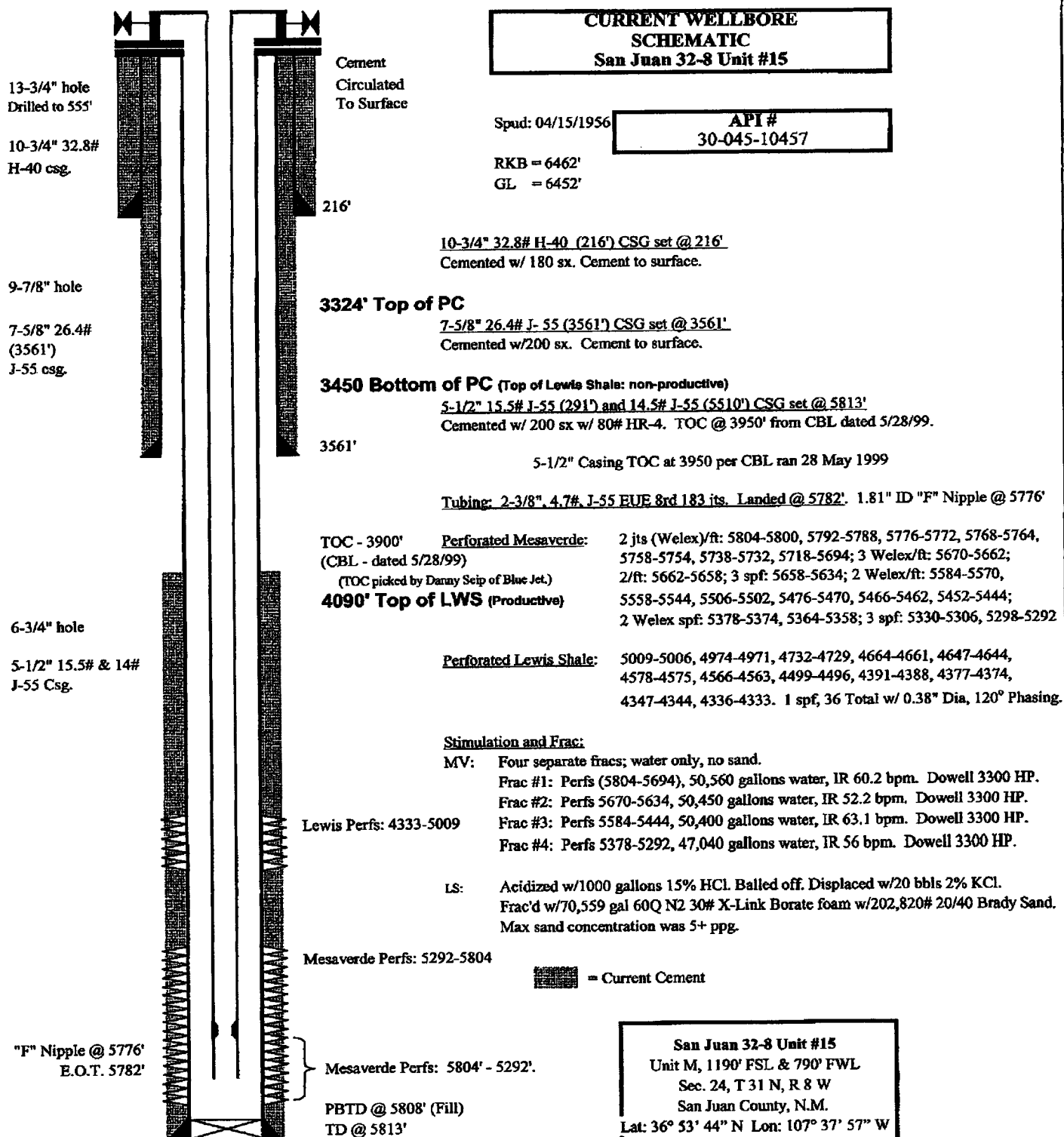
REMARKS:

By

Jamesi Bar

LEASE OPERATOR
(Position)

Witness





CONOCO PHILLIPS
WELL ANALYSIS COMPARISON

12/18/02

WELL NAME: SAN JUAN 32-8 #15
STATION NO.:

	INT CASING	METER TUBE
ANALYSIS NO.:	CO220145	CO220146
DATE	12/18/02	12/18/02
COMPONENT	<u>MOLE %</u>	<u>MOLE %</u>
NITROGEN	0.099	0.076
CO2	1.699	1.612
METHANE	97.488	94.373
ETHANE	0.488	2.667
PROPANE	0.121	0.640
I-BUTANE	0.034	0.105
N-BUTANE	0.045	0.125
I-PENTANE	0.020	0.084
N-PENTANE	0.014	0.027
HEXANE +	0.092	0.091
	<u>100.000</u>	<u>100.000</u>
BTU'S	<u>1009.4</u>	<u>1037.9</u>
GPM	<u>0.2417</u>	<u>1.0438</u>
SPEC. GRAV.	<u>0.5788</u>	<u>0.6001</u>



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 326-6622

ANALYSIS NO. CO220145
 CUST. NO. 18300 - 12500

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS	SOURCE	INT CASING
WELL NAME	SAN JUAN 32-8 #15	PRESSURE	138 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	55 DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	12/16/02
FORMATION	MESA VERDE	SAMPLED BY	K. BASSING
CUST. STN. NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR.*
NITROGEN	0.089	0.0000	0.00	0.0010
CO2	1.589	0.0000	0.00	0.0243
METHANE	97.488	0.0000	988.67	0.5400
ETHANE	0.488	0.1305	8.88	0.0051
PROPANE	0.121	0.0333	3.05	0.0018
I-BUTANE	0.034	0.0111	1.11	0.0007
N-BUTANE	0.045	0.0142	1.47	0.0009
I-PENTANE	0.020	0.0073	0.80	0.0005
N-PENTANE	0.014	0.0051	0.58	0.0003
HEXANE PLUS	0.082	0.0401	4.73	0.0030
TOTAL	100.000	0.2417	1,007.25	0.5778

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/2)	1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/2)	1,009.4
BTU/CU.FT (WET) CORRECTED FOR (1/2)	991.9
REAL SPECIFIC GRAVITY	0.5788

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,003.9
DRY BTU @ 14.698	1,007.1
DRY BTU @ 14.730	1,009.4
DRY BTU @ 15.025	1,029.8

CYLINDER #	CON 22
CYLINDER PRESSURE	143 PSIG
DATE RUN	12/17/02
ANALYSIS RUN BY	JANA CARANTA



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 326-6622

ANALYSIS NO. CO220146
 CUST. NO. 18300 - 12505

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS	SOURCE	METER TUBE
WELL NAME	SAN JUAN 32-8 #15	PRESSURE	107 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	53.4 DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	12/16/02
FORMATION	MESA VERDE	SAMPLED BY	K. BASSING
CUST. STR. NO.		FOREMAN/ENG.	

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR.*
NITROGEN	0.076	0.0000	0.00	0.0007
CO2	1.812	0.0000	0.00	0.0275
METHANE	94.373	0.0000	955.94	0.5228
ETHANE	2.667	0.7134	47.30	0.0277
PROPANE	0.640	0.1784	16.14	0.0097
I-BUTANE	0.105	0.0343	3.42	0.0021
N-BUTANE	0.125	0.0394	4.09	0.0025
I-PENTANE	0.084	0.0307	3.37	0.0021
N-PENTANE	0.027	0.0088	1.06	0.0007
HEXANE PLUS	0.091	0.0397	4.68	0.0029
TOTAL	100.000	1.0498	1,035.42	0.5988

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/2)	1.0023
BTU/CU.FT (DRY) CORRECTED FOR	(1/2)	1,037.9
BTU/CU.FT (WET) CORRECTED FOR	(1/2)	1,019.8
REAL SPECIFIC GRAVITY		0.6001

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,032.2
DRY BTU @ 14.698	1,035.5
DRY BTU @ 14.730	1,037.9
DRY BTU @ 15.025	1,058.6

CYLINDER #	CON 11
CYLINDER PRESSURE	111 PSIG
DATE RUN	12/17/02
ANALYSIS RUN BY	JANA CARANTA