



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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[http://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

RCVD AUG 16 '13
OIL CONS. DIV.
DIST. 3

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 8-16-13 Operator Burlington Resources API #30-0 39-09082
Property Name San Juan 275 Ltd Well No. 57 Location: Unit Section 13 Township 27 Range 5
Well Status(Shut-In or Producing) Initial PSI: Tubing 177 Intermediate 41 Casing 177 Bradenhead 25

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE				
	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0	42	173	-0.2	174
10 min	0	42	173	-0	175
15 min	0	42	175	0	175
20 min				0	175
25 min				0	175
30 min				0	176

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		/ Vapors
Surges		
Down to Nothing	BH	
Nothing	/	
Gas		/
Gas & Water		
Water		

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

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 1.7 INTERMEDIATE 0.3

REMARKS:

BH Nothing when opened -
Int. - Medium blow - lower at 2 - Slight whistled 2.5
Medium light blow at 5 min. Really light at 7 min.

By Brent Hottell / Brian R. Everett Witness Monica Kuchling
Really light w/ vapors at 10 min.
15-20-25
Gas Sample requested

(Position)

E-mail address

Current Schematic

ConocoPhillips

Well Name: SAN JUAN 27-5 UNIT #57

API / UWI 3003907082	Surface Legal Location 1450-FNL, 2510-FWL, 13-027N-005W	Field Name BLANCO MESAVERDE (PRORAT #0078)	License No.	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,838.00	Original KB/RT Elevation (ft) 6,848.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft) 6,848.00	KB-Tubing Hanger Distance (ft) 6,848.00	

Well Config: - Original Hole, 8/15/2013 3:07:19 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
12		Surface Casing Cement, 12-203, 6/15/1965, Cmt'd w/ 250sx of Class A. Circulated 10bbbls of cmt to surface.	
202		Surface, 10 3/4in, 10.192in, 12 ftKB, 203 ftKB	
203			
204			
2,409		Tubing, 2 3/8in, 4.60lbs/ft, J-55, 12 ftKB, 5,254 ftKB	
3,578			
3,708		Intermediate Casing Cement, 2,409-3,900, 6/20/1965, Cmt'd w/ 1000sx of Class C followed by 50sx cmt Class C. Lost complete returns w/ 700sx of mixed. TOC @ 2409' per 75% efficiency calc.	PICTURED CLIFFS, 3,708
3,796		TOC @ 4500' after Squeeze.	LEWIS, 3,796
3,899		Hydraulic Fracture, 1/30/2001, Acidize w/ 100gal of 10% acetic. Frac'd w/ 102,000 gals. of 75% Quality foam, 200,000# 20/40	
3,900		Brady sand.	
3,902		TOC @ 5150'	
4,500		Seal Nipple, 2 3/8in, 5,254 ftKB, 5,254 ftKB	
4,616		Tubing, 2 3/8in, 4.70lbs/ft, J-55, 5,254 ftKB, 5,286 ftKB	
4,644		Expendable Check, 2 3/8in, 5,286 ftKB, 5,286 ftKB	
4,725		Collapsed Casing, 5,320-5,330, RU W/L. Ran video camera across interval from 5347' - 5275'. Csg collapsed from 5320' to approx. 5330'. Window cut in csg @ 5320' & outside csg @ 5325'. Decided not to continue repair 02/20/2001.	
5,150		Hydraulic Fracture, 8/9/1998, Acidize w/ 1500gals of 15% HCL. Frac'd w/ 1339bbbls of 13# Linear gel w/ 86,000# 20/40	
5,254		Brady sand.	
5,255		PERF - CLIFF HOUSE UPPER, 5,369-5,742, 8/8/1998	MESAVERDE, 5,453
5,256		Hydraulic Fracture, 8/9/1998, Acidize w/ 1500 gals of 15% HCL. Frac'd w/ 1072bbbls of 30# Linear gel w/ 55,590# 20/40	
5,285		Brady sand.	
5,286		DV @ 6082'	
5,320		PERF - POINT LOOKOUT, 5,775-6,123, 8/7/1998	MANCOS, 6,010
5,330			
5,369		Casing cement, 5,150-6,495, 6/27/1965, 2nd: stage: Cmt'd w/ 50sx of Class C followed by 200sx of 50/50 pozmix; followed by 25sx of Class C neat TOC @ 5150' per CBL ran 4800' - 6359' on 08/07/1998.	
5,453			GALLUP, 7,072
5,742			GREENHORN, 7,783
5,775			GRANEROS, 7,846
6,010		Hydraulic Fracture, 6/30/1965, Frac'd w/ 35,112gals of H2O w/ 8% KCL w/ 39,720# 20/40 sand.	
6,082		PERF - DAKOTA UPPER, 7,873-7,899, 6/30/1965	
6,082			
6,083		Hydraulic Fracture, 6/29/1965, Acidize w/ 7 1/2% of 1100gals. Frac'd w/ 28,560gals of H2O w/ 8% KCL, w/ 25000# 20/40 sand.	DAKOTA, 7,996
6,123		PERF - DAKOTA LOWER, 7,997-8,093, 6/29/1965	
6,495		Production Casing Cement, 6,495-8,152, 6/27/1965, 1st stage: Cmt'd w/ 150sx of Class C followed by 100sx of Class C. TOC @ 5150' per CBL ran 4800' - 6359' on 08/07/1998.	
6,821		Production1, 4 1/2in, 4.000in, 12 ftKB, 8,152 ftKB	
7,072			
7,783			
7,846			
7,873			
7,899			
7,996			
7,997			
8,093			
8,117		PBTD, 8,117	
8,118			
8,151			
8,152		TD, 8,152, 6/27/1965	

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DIST. 3

Pertinent Data Sheet w thread

ConocoPhillips

Well Name: SAN JUAN 27-5 UNIT #57

API / UWI 3003907082	Surface Legal Location 1450-FNL, 2510-FWL, 13-027N-005W	Field Name BLANCO MESAVERDE (PRORAT #0078)	License No.	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,838.00	Original KB/RT Elevation (ft) 6,848.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft) 6,848.00	KB-Tubing Hanger Distance (ft) 6,848.00	

Original Spud Date 6/14/1965	Latitude (DMS) 36° 34' 35.724" N	Longitude (DMS) 107° 18' 33.48" W
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Schematic Annotations: Comments		
Start Date 1/28/2001	Annotation TOC @ 4500' after Squeeze.	Depth (ftKB) 4,500.0

Schematic Annotations: Comments		
Start Date 8/7/1998	Annotation TOC @ 5150'	Depth (ftKB) 5,150.0

Schematic Annotations: Comments		
Start Date 6/27/1965	Annotation DV @ 6082'	Depth (ftKB) 6,082.0

PBTDS	
Depth (ftKB) 8,117.0	Comment

Formations	
Formation Name	Final Top MD (ftKB)
PICTURED CLIFFS	3,708.0
LEWIS	3,796.0
MESAVERDE	5,453.0
MANCOS	6,010.0
GALLUP	7,072.0
GREENHORN	7,783.0
GRANEROS	7,846.0
DAKOTA	7,996.0

Casing Strings			
Casing Description	Run Date	Set Depth (ftKB)	Comment
Surface	6/15/1965	203.0	

Item Description	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Jts	Section Length (ft)
Casing Joints	10 3/4	10.192	32.75	H-40	8	190.00
Shoe	10 3/4	10.192			1	1.00

Casing Description	Run Date	Set Depth (ftKB)	Comment
Intermediate1	6/20/1965	3,900.0	

Item Description	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Jts	Section Length (ft)
Casing Joints	7 5/8	7.025	24.00	H-40	121	3,565.70
Casing Joints	7 5/8	6.969	26.40	J-55	11	321.06
Shoe	7 5/8	6.969			1	1.05

Casing Description	Run Date	Set Depth (ftKB)	Comment
Production1	6/27/1965	8,152.0	

Item Description	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Jts	Section Length (ft)
Casing Joints	4 1/2	4.052	10.50	J-55	155	6,069.90
Stage Tool	4 1/2	4.052	10.50	J-55	1	1.00
Casing Joints	4 1/2	4.052	10.50	J-55	23	738.00
Casing Joints	4 1/2	4.000	11.60	N-80	42	1,295.86
Float Collar	4 1/2	4.000			1	1.35
Casing Joints	4 1/2	4.000	11.60	N-80	1	32.12
Shoe	4 1/2	4.052			1	1.48

Description	Start Date	End Date	Comment
Surface Casing Cement	6/15/1965	6/15/1965	Cmt'd w/ 250sx of Class A. Circulated 10bbbls of cmt to surface.
Intermediate Casing Cement	6/20/1965	6/20/1965	Cmt'd w/ 1000sx of Class C followed by 50sx cmt Class C. Lost complete returns w/ 700sx of mixed. TOC @ 2409' per 75% efficiency calc.
Production Casing Cement	6/27/1965	6/27/1965	1st stage: Cmt'd w/ 150sx of Class C followed by 100sx of Class C. 2nd: stage: Cmt'd w/ 50sx of Class C followed by 200sx of 50/50 pozmix; followed by 25sx of Class C neat. TOC @ 5150' per CBL ran 4800' - 6359' on 08/07/1998.
Production Casing Cement	1/26/2001	1/26/2001	Cmt'd w/ 150sx 50/50 Poz w/ 3% gel. TOC @ 4500' per CBL ran 3500' - 5275' on 01/25/2001. 100% bond @ 4510' - 4725'.

Tubing - Production set at 5,286.2ftKB on 2/19/2001 00:00

Tubing Description	Run Date	Set Depth (ftKB)	Comment
Tubing - Production	2/19/2001	5,286.2	

Item Description	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Top Thread	Jts	Len (ft)
Tubing	2 3/8	1.995	4.60	J-55		169	5,241.42
Seal Nipple	2 3/8	1.760			EUE 8RD	1	0.83
Tubing	2 3/8	1.995	4.70	J-55	EUE 8RD	1	31.10
Expendable Check	2 3/8	1.760			EUE 8RD	1	0.65

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Ground Elevation (ft) 6,838.00	Original KB/RT Elevation (ft) 6,848.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft) 6,848.00	KB-Tubing Hanger Distance (ft) 6,848.00	

Other In Hole

Description	Run Date	Pull Date	Top (ftKB)	Comment
Collapsed Casing	2/17/2001		5,320.0	RU W/L. Ran video camera across interval from 5347' - 5275'. Csg collapsed from 5320' to approx. 5330'. Window cut in csg @ 5320' & outside csg @ 5325'. Decided not to continue repair 02/20/2001.

Perforations

Date	Top (ftKB)	Btm (ftKB)	Zone	Comment
1/26/2001	4,616.0	4,616.0	BLANCO::MESAVERDE, Original Hole	SQZ., Perf'd 2SPF @ 4616.
1/29/2001	4,644.0	5,256.0	BLANCO::MESAVERDE, Original Hole	Perf'd w/ 1SPF @ 4644', 4650', 4651', 4654', 4658', 4680', 4681', 4682', 4688', 4698', 4706', 4712', 4780', 4820', 4828', 4836', 4836', 4842', 4850', 4866', 4870', 4881', 4888', 4891', 4900', 4931', 4962', 4965', 4976', 4981', 5054', 5066', 5081', 5097', 5107', 5120', 5131', 5140', 5149', 5213', 5256' = 40 holes.
8/8/1998	5,369.0	5,742.0	BLANCO::MESAVERDE, Original Hole	Perf'd w/ 1SPF @ 5369', 5373', 5414', 5437', 5444', 5458', 5460', 5478', 5482', 5486', 5489', 5492', 5496', 5534', 5540', 5544', 5572', 5574', 5640', 5644', 5668', 5670', 5712', 5714', 5742' = 25 Holes.
8/7/1998	5,775.0	6,123.0	BLANCO::MESAVERDE, Original Hole	Perf'd w/ 1SPF @ 5775', 5779', 5798', 5847', 5853', 5857', 5861', 5866', 5869', 5891', 5893', 5933', 5941', 5953', 5957', 5967', 5973', 5975', 5993', 6005', 6082', 6105', 6107', 6120', 6123' = 25 Holes.
6/30/1965	7,873.0	7,899.0	BASIN::DAKOTA, Original Hole	Perf'd w/ 2SPF @ 7873' - 7899'.
6/29/1965	7,997.0	8,093.0	BASIN::DAKOTA, Original Hole	Perf'd w/ 2SPF @ 7997' - 8007', 8051' - 8061'; Perf'd w/ 1SPF @ 8073' - 8093'.

Stimulations & Treatments

Hydraulic Fracture on 6/29/1965 00:00		
Type Hydraulic Fracture	Zone BASIN::DAKOTA, Original Hole	Comment Acidize w/ 7 1/2% of 1100gals. Frac'd w/ 28,560gals of H2O w/ 8% KCL, w/ 25000# 20/40 sand.
Hydraulic Fracture on 6/30/1965 00:00		
Type Hydraulic Fracture	Zone BASIN::DAKOTA, Original Hole	Comment Frac'd w/ 35,112gals of H2O w/ 8% KCL w/ 39,720# 20/40 sand.
Hydraulic Fracture on 8/8/1998 08:41		
Type Hydraulic Fracture	Zone BLANCO::MESAVERDE, Original Hole	Comment Acidize w/ 1500 gals of 15% HCL. Frac'd w/ 1072bbbls of 30# Linear gel w/ 55,590# 20/40 Brady sand.
Hydraulic Fracture on 8/8/1998 17:11		
Type Hydraulic Fracture	Zone BLANCO::MESAVERDE, Original Hole	Comment Acidize w/ 1500gals of 15% HCL. Frac'd w/ 1339bbbls of 13# Linear gel w/ 86,000# 20/40 Brady sand.
Hydraulic Fracture on 1/30/2001 00:00		
Type Hydraulic Fracture	Zone BLANCO::MESAVERDE, Original Hole	Comment Acidize w/ 100gal of 10% acetic. Frac'd w/ 102,000 gals of 75% Quality foam, 200,000# 20/40 Brady sand.

Logs

Date	Type
6/20/1965	Electrolog
6/26/1965	Electrolog
6/29/1965	Electrolog
8/7/1998	Gamma Ray Cement Bond Log
8/19/1998	SpectraScan Image
1/25/2001	Gamma Ray/CCL/Cement Bond Log
1/28/2001	Gamma Ray/Cement Bond Log