NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3distric.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 6-3-14 Operator BP America API #30-0 45-07910

Property Name GCU Well No. 173 Location: Unit ___ Section 29 Township 29 Range 12

Well Status(Shut-In or Producing) Initial PSI: Tubing 6 Intermediate N/A Casing 6 Bradenhead 92

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE Bradenhead BH	Bradenhead Int	Bradenhead Csg	INTERM Int	INTERM Csg
TIME 5 min	0		6		
10 min	0		6		
15 min	0		6		
20 min	0		6		
25 min	0		6		
30 min	0		6		

FLOW CHARACTERISTICS	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing	✓	
Nothing		
Gas	✓	
Gas & Water		
Water		

RCVD JUN 3 '14
OIL CONS. DIV.
DIST. 3

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

CLEAR ____ FRESH ____ SALTY ____ SULFUR ____ BLACK ____

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0 INTERMEDIATE N/A

REMARKS: Med blow just 3 Seconds. dead at 50 Seconds.

By R. Jedlesma
Tech
(Position)

Witness Monica Kuehling

E-mail address ____

bp

KB 5471'

GCU COM A 142
Chacra & Dakota
API # 3004507767
Sec 25 T29N R12W
San Juan County, NM

Well History
10/25/63: Spud date
11/3/63: Completion date
8/23/85: Reperforated Dakota zone.
3/4/92: Repared Bradenhead.
Ran CBL. From 2000' to surface.
Perf'd csg from 920'-921'. Spotted 39 sx Class B cmt at 934' and squeezed. Perf'd csg at 500-501'. Pumped 168' sx Class B cemtent. Circulated 8 bbls to surface.
Ran muled shoe, seat nipple and 2 375" tubing.
4/29/02: Recompleted to Chacra foramtion

TOC: unknown

Surface Casing Data
12 1/8" hole
8 5/8", 24# @ 362'
240 sx Quixtrength neat cmt

Perf'd at 500-501' & 920-921'
Circulated 8 bbls to surface

TOC: Unknown

Chacra Perforation Data
2493-2505
2592-2610
Frac'd w/ 500 gals 15% HCl acid, 78 gals getl, w/ 86,823# of 16/30 brady sand w/ 70% Q N2 foam

Formation Tops

Pictured Clif	1500
Mancos	4204
Dakota	5964

Tubing Details

	Length
MULESHOE SUB 2.375", J55	2
PROFILE NIPPLE 2.375" N80	0.93
TUBING JOINT 2.375", J55 4.7#	6111.01

Nipple Data (F Nipple, 2.375", 2", 6124')

Stage tool @ 4240'

End of Tubing @ 6126'

Dakota Perforation Data
5968-5972
5978-6022
Frac'd w/ 21,840 gals wtr & 20,000# sand.
6038-6044
6054-6058
6068-6078
Frac'd w/ 33,600 gals wtr & 40,000# sand.

Re-Perforation Data
5966-5988'
6036-6076'
6098-6120'

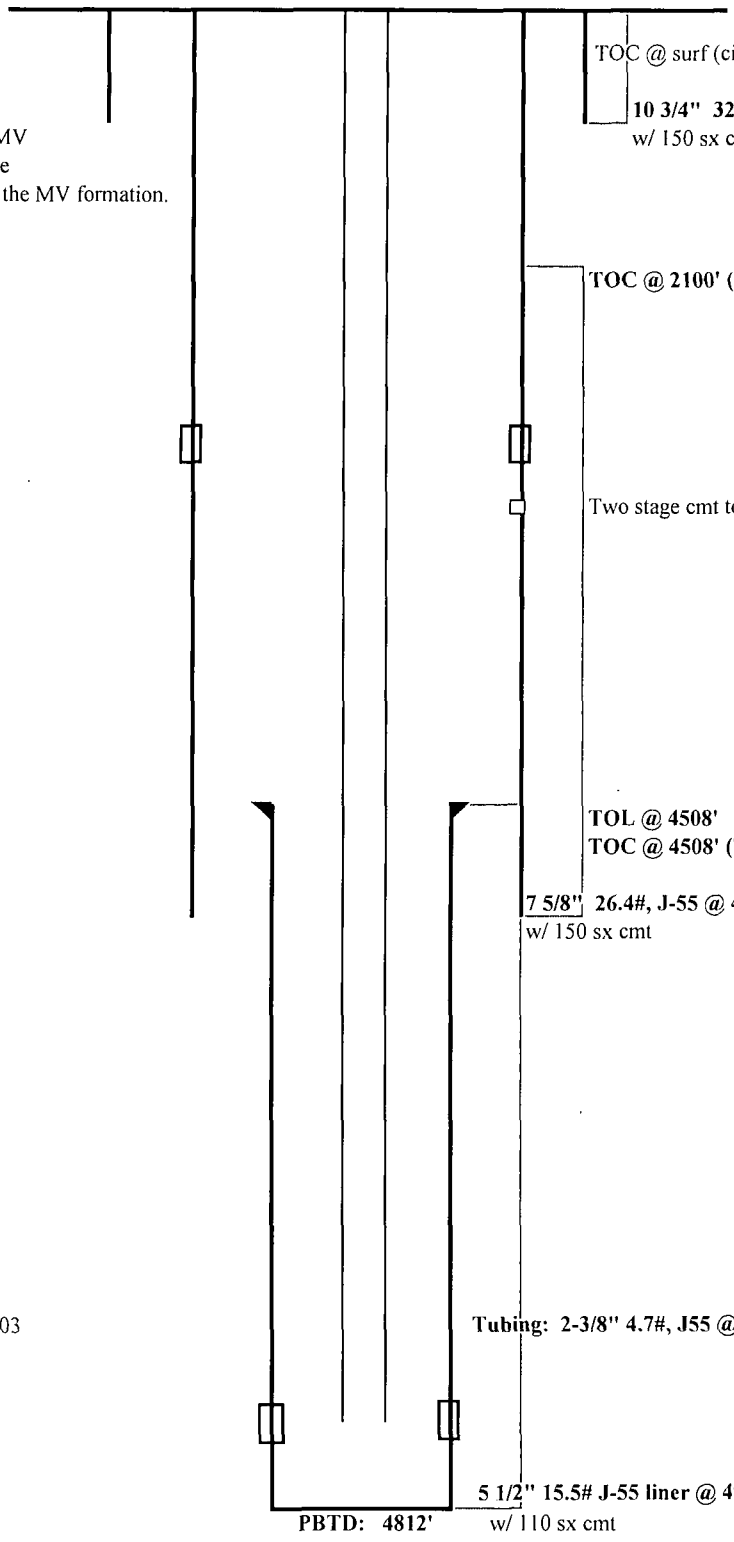
Production Casing Data
7 7/8" hole
4 1/2", 10.5 @ 6182'
Stage 1: 400 sx Quixtrength cmt
Stage 2: 1000 sx Quixtrength cmt

6146
6185

Heaton Com LS 9

Sec 32, T31N, R11W

API #: 30-04510170



History:
- Spud on 2/3/57 as a dual PC/MV
-3/20/99 - Downhole commingle
5/22/2013- Add perforations in the MV formation.

PC Perf's
2400' - 14'
2428 - 42'

MV perforations
4251- 4337' - Added in May 2003
4651 - 70'
4695 - 4713'
4736 - 66'

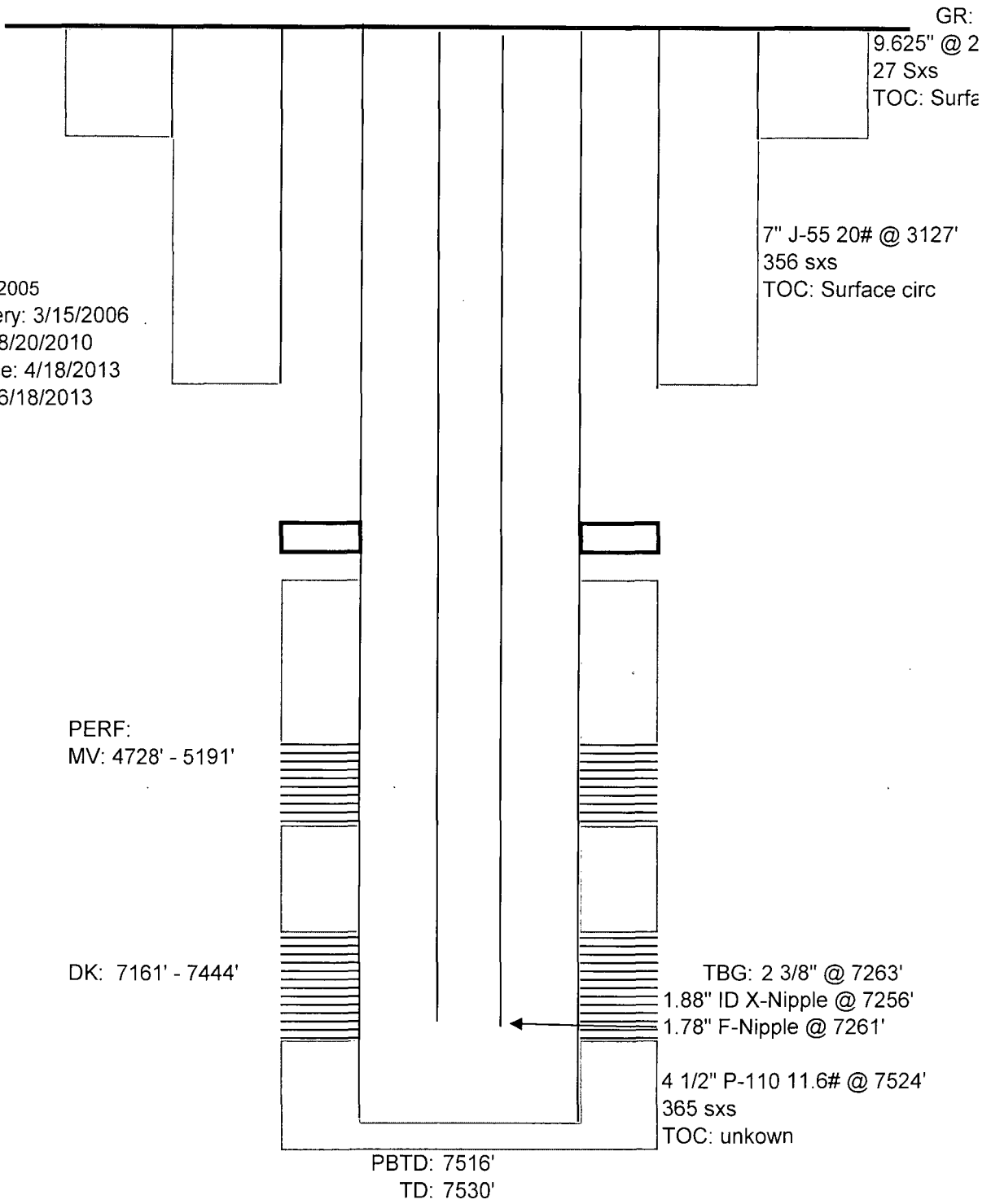
updated: 6/25/2013 mcb

Notes: Formation tops: CH: 4038', MF: 4192', PL: 4656

MANSFIELD 001N-MV/DK

Unit J - Sec 19 - T30N - R09W

300453249900



History:
Spud: 2/28/2005
First Delivery: 3/15/2006
Swabbed: 8/20/2010
Surveillance: 4/18/2013
Swabbed: 6/18/2013

Notes:

Formation	Top	Depth	Deviation