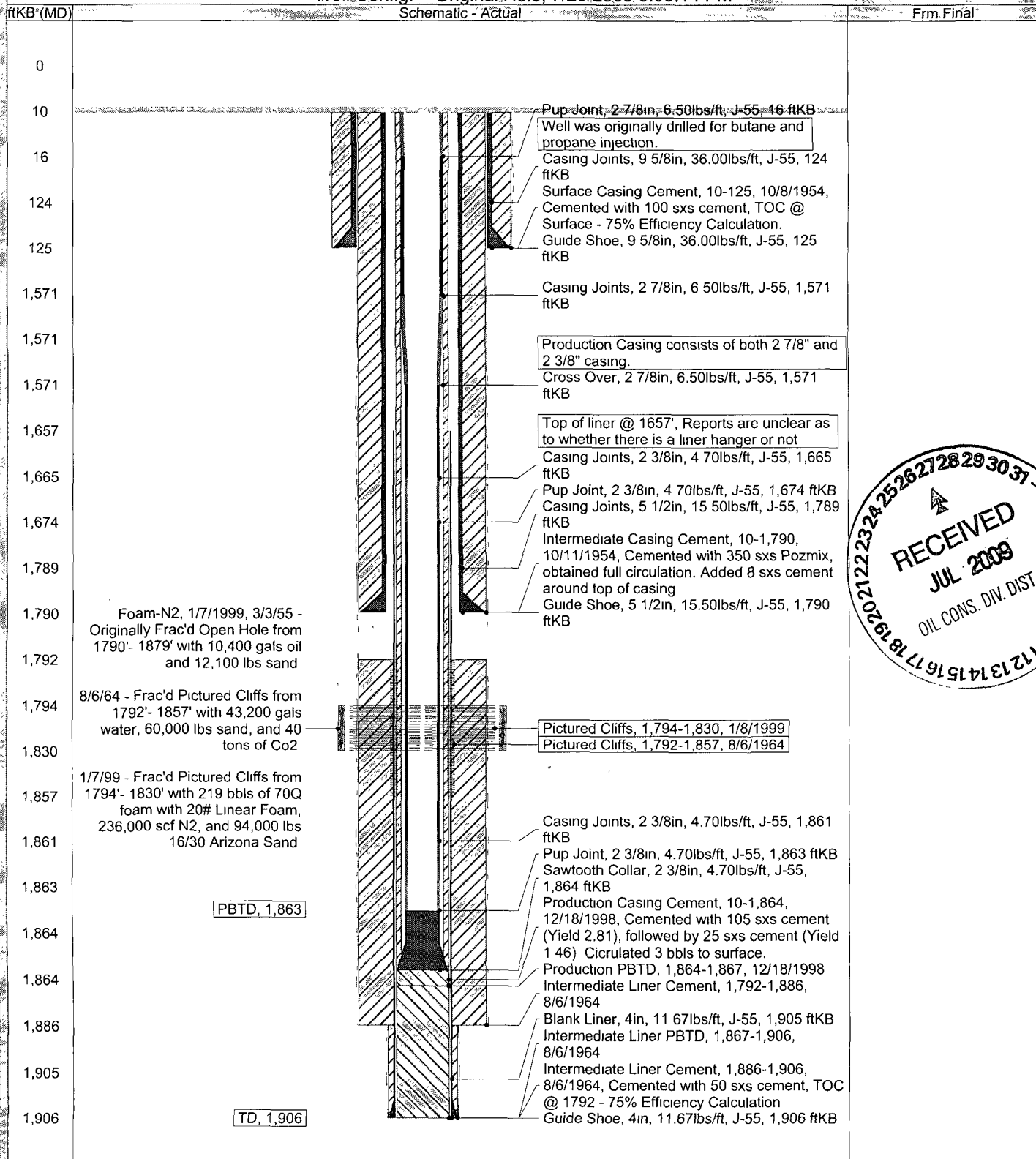


ConocoPhillips**Current Schematic****Well Name: SOUTHERN UNION PRODUCTION #5**

API / UWI 3004507520	Surface Legal Location 014-028N-011W-B	Field Name FULCHER KUTZ PC (GAS) #0215	License No	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 5,733.00	Original KB Elevation (ft) 5,743.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft) 5,743.00	KB-Tubing Hanger Distance (ft) 5,743.00	

Well Config: - Original Hole, 7/25/2009 6:03:14 PM

Pertinent Data Sheet

ConocoPhillips

Well Name: SOUTHERN UNION PRODUCTION #5

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Well Attributes

Orig Spud Date 10/7/1954	Latitude (DMS) 36° 40' 2.82" N	Longitude (DMS) 107° 58' 11.82" W
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PBTDs

Depth (ftKB) 1,863.4	Comment
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Formations

Formation Name	Final Top MD (ftKB)
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Casing Strings

Casing Description Surface	Run Date 10/8/1954	Set Depth (ftKB) 125.0	Comment The number of joints was estimated using an appx. joint length of 31.5'		
Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Jts
Casing Joints	9 5/8	8 9/21	36.00	J-55	4
Guide Shoe	9 5/8	8 9/21	36.00	J-55	1
Casing Description Intermediate	Run Date 10/11/1954	Set Depth (ftKB) 1,790.0	Comment		
Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Jts
Casing Joints	5 1/2	4 9/50	15.50	J-55	57
Guide Shoe	5 1/2	4 9/50	15.50	J-55	1
Casing Description Production	Run Date 12/18/1998	Set Depth (ftKB) 1,863.8	Comment		
Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Jts
Pup Joint	2 7/8	2.441	6.50	J-55	1
Casing Joints	2 7/8	2.441	6.50	J-55	50
Cross Over	2 7/8	1.995	6.50	J-55	1
Casing Joints	2 3/8	1.995	4.70	J-55	3
Pup Joint	2 3/8	1.995	4.70	J-55	1
Casing Joints	2 3/8	1.995	4.70	J-55	6
Pup Joint	2 3/8	1.995	4.70	J-55	1
Sawtooth Collar	2 3/8	0.000	4.70	J-55	1
Casing Description Intermediate Liner	Run Date 8/6/1964	Set Depth (ftKB) 1,906.0	Comment The number of joints was estimated using an appx. joint length of 31.5'		
Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Jts
Blank Liner	4		11.67	J-55	8
Guide Shoe	4		11.67	J-55	1

Cement

Description	Start Date	End Date	Comment
Surface Casing Cement	10/8/1954		Cemented with 100 sxs cement, TOC @ Surface - 75% Efficiency Calculation.
Intermediate Casing Cement	10/11/1954		Cemented with 350 sxs Pozmix, obtained full circulation. Added 8 sxs cement around top of casing.
Intermediate Liner PBTD	8/6/1964		
Intermediate Liner Cement	8/6/1964		Cemented with 50 sxs cement, TOC @ 1792 - 75% Efficiency Calculation.
Production Casing Cement	12/18/1998		Cemented with 105 sxs cement (Yield 2.81), followed by 25 sxs cement (Yield 1.46). Circulated 3 bbls to surface.
Production PBTD	12/18/1998		

Tubing Description	Run Date	Set Depth (ftKB)	Comment
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Perforations

Date	Top (ftKB)	Bot (ftKB)	Zone	Comment
8/6/1964	1,792.0	1,857.0	PICTURED CLIFFS SS, Original Hole	Perf'd Pictured Cliffs @ 1792'- 1822', 1831'- 1835', 1837'- 1843', 1847'- 1857' with 1 spf
1/8/1999	1,794.0	1,830.0	PICTURED CLIFFS SS, Original Hole	Perf'd Pictured Cliffs @ 1794', 1796', 1797', 1798', 1801', 1802', 1805', 1809', 1811', 1813', 1816', 1820, 1821', 1825', 1830'. 15 holes total.

Stimulations & Treatments

Foam-N2 on 1/7/1999 10:40

Type Foam-N2	Zone PICTURED CLIFFS SS, Original Hole	Comment 3/3/55 - Originally Frac'd Open Hole from 1790'- 1879' with 10,400 gals oil and 12,100 lbs sand 8/6/64 - Frac'd Pictured Cliffs from 1792'- 1857' with 43,200 gals water, 60,000 lbs sand, and 40 tons of Co2. 1/7/99 - Frac'd Pictured Cliffs from 1794'- 1830' with 219 bbls of 70Q foam with 20# Linear Foam, 236,000 scf N2, and 94,000 lbs 16/30 Arizona Sand
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Pertinent Data Sheet

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Logs

Date	Type
10/11/1954	Electrical Log
10/11/1954	Microlog
8/6/1964	Casing Inspection Log
8/9/1964	Gamma Ray Log
1/4/1999	Gamma Ray Correlation Log