Current Schematic

ConocoPhillips

Well Name: SAN JUAN 28-7 UNIT #22

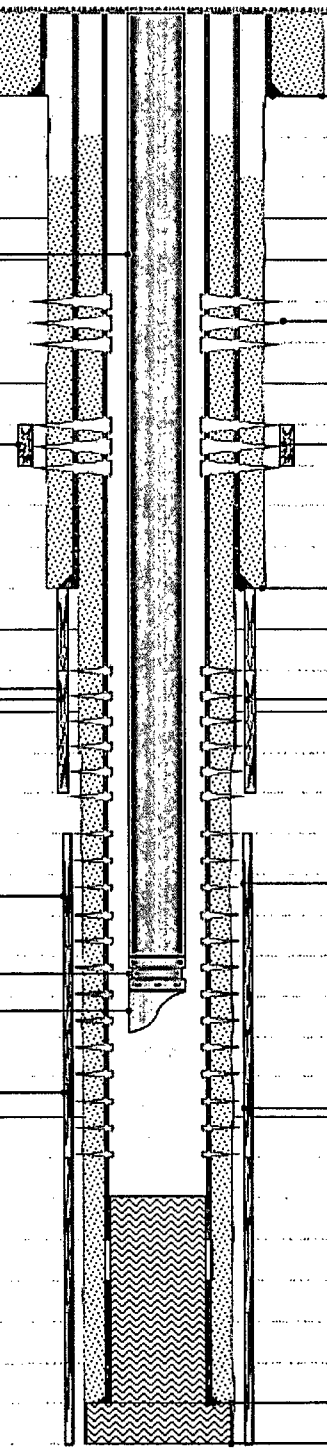
API/UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3003907422	017-028N-007W-H	FC/PC/MV COM		NEW MEXICO	Vertical

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,624.00	6,634.00	10.00	6,634.00	6,634.00

Vertical - Original Hole, 3/13/2014 6:02:40 AM

MD (ftKB)	Formation Tops
9.8	
174.9	
175.9	
2,025.9	
2,049.9	
2,075.1	Kirtland
2,555.1	Fruitland
2,659.9	
2,845.1	
2,850.1	Pictured...
2,859.9	
2,950.1	
3,400.1	
4,429.0	
4,440.0	
4,475.0	Cliff House
4,482.0	
4,530.9	Menefee
4,650.1	
4,690.9	
4,753.9	
4,755.0	
4,952.9	
4,959.8	
4,991.1	
4,992.1	
5,024.0	
5,045.9	Point Loo...
5,093.1	
5,100.1	
5,105.0	
5,107.9	
5,124.8	
5,152.9	
5,153.9	
5,200.1	

Vertical schematic (actual)



1; Surface; 9.63 in; 9.060 in; 10.0 ftKB; 176.0 ftKB

Cement; 10.0-176.0; 4/25/1955; Cmt'd w/125 sx. Circulated to surface.

Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 9.8 ftKB; 4,989.8 ftKB

Hydraulic Frac-Other; 2/14/2001; MIRU BJ Services. Held safety meeting. Tested lines to 3000 psi. Set pop-off and popped off 3 times. Broke perfs 2860-2900, 2943-2950 with slickwater 7 BPM@ 2700 psi. Balled off perfs with bio-balls, 9-4 BPM @ 1800-1900-2100-2300-2870-3100 psi. Attempt to surge balls off 2 times with no sucess. Waited 1 1/2hrs for balls to fall. Removed ball gun. Re-test lines to 3000 psi. Performed step rate test as follows: Statred pumping slickwater @ 21 bpm@ 2210, step down, 15 bpm@ 1530, step down 8 bpm @ 1050. Shut down. ISIP:705, 5M: 627, 10M: 602, 15M: 583. Frac'd same perfs w/ 42,882 gals 25# linear gel foamed to 70Q foam with N2 + 109,080 LBS 20/40 sand. AIR: 35 BPM Min: 1818. Max: 2615 Avg: 2242 psi. ISIP: 985. 5M: 919 10M: 904 !%M: 889 TLTR:722 bbls. Shut well in. RD BJ.

Fracture; 5/7/1955; 13,500 G w/ 8100# sand. BD @ 1650#. IR=9.3 bpm, max pressure=2000#.

Hydraulic Frac-Other; 2/6/2001; Frac'd with 38,130 gals 25# linear gel + 84,080 lbs 20/40 sand foamed with N2 to 70Q foam & flushed with 65 bbls 2% KCL water.

Hydraulic Frac-Other; 2/2/2001; Performed 3000 gals 15% HCL acid job diverted with 70 1.1SG Bio-ball sealers @ 7-20 bpm @ 1100-725-900-830 psi. Did not ball off perfs. Shut down & wait 1hr. Frac'd Perfs 4754-5098 with 51,576 gals 25# linesr gel 70Q foam + 92,518 LBS 20/40 brown sand.

Seating Nipple; 2 3/8 in; 4.70 lb/ft; J-55; 4,989.8 ftKB; 4,991.0 ftKB

Mule Shoe; 2 3/8 in; 4,991.0 ftKB; 4,992.0 ftKB

Fracture; 5/9/1955; 12,700 G w/ 14000# sand. BD @ 1150#. IR=9.9 bpm, max pressure=1350#.

OIL CONS. DIV DIST. 3

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Perforated; 2,670.0-2,845.0; 2/15/2001

PERF - PICTURED CLIFFS; 2,860.0-2,950.0; 2/12/2001

Cement; 2,050.0-4,440.0; 5/4/1955; Cmt'd w/500sx (250 reg cmt, 250 sx POZ). TOC @ 2050' per Temp Survey (5/4/55)

2; Intermediate1; 7 in; 6.370 in; 10.0 ftKB; 4,440.0 ftKB

PERF - CLIFF HOUSE / MENEFEE UPPER; 4,482.0-4,694.0; 2/5/2001

PERF - POINT LOOKOUT / MENEFEE LOWER; 4,754.0-5,024.0; 2/2/2001

PERF - POINT LOOKOUT / MENEFEE LOWER; 4,984.0-5,098.0; 2/2/2001

3; Production1; 4 1/2 in; 3.927 in; 10.0 ftKB; 5,154.0 ftKB

Production Casing Cement; 2,027.0-5,154.0; 1/17/2001; Cemented 4 1/2" casing with 60 bbls fresh water followed by 30 bbls gelled water followed by 20 bbls fresh water followed by 250 sx 35:65 POZ L Type III cement with 6% gel, + 7% CSE, + .25 lb/sk Celloflake, + .2% CD-32 , + .7% FL-52 @ 12.5 ppg, 1.95 yield. Displaced cement & wiper plug with 80 bbls of fresh water. TOC @ 2027' per Cement Bond Log (2-1-01).

Auto cement plug; 5,135.0-5,154.0; 1/17/2001; Automatically created cement plug from the casing cement because it had a tagged depth.

Display Cement Fill; 5,154.0-5,200.0 1/17/2001

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