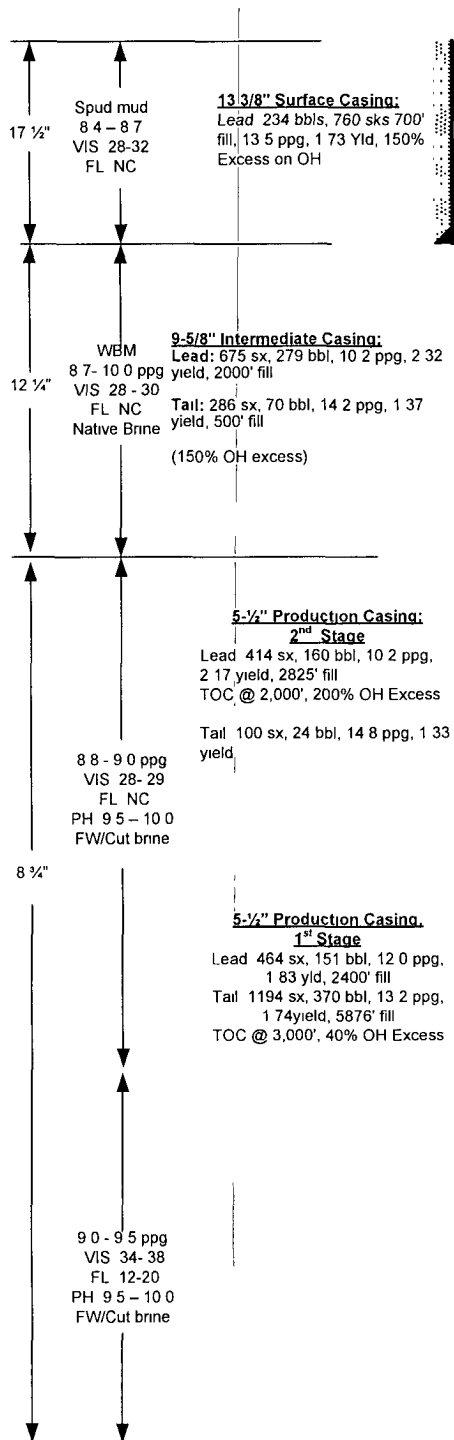


Well : Skeen 21 State 1H
Field : Delaware Basin North
County : Eddy State : NM
Surf Locat : Section 21-26S-28E, 100' FNL & 2,310' FWL Lat: 32.034799 Long: -104.093206 (NAD27)
BH Locat : Section 21-26S-28E, 330' FSL & 2,310' FWL Lat: 32.021363 Long: -104.093108 (NAD27)
KB Elev : 3,050' [Estimate] Grd Elev : 3,030' [Estimate]



TVD

700'

2,000'

2,425'

3,000'

6,100'

7,060'

7,250'

13-3/8" Csg at 700'

TOC - 5-1/2" casing

Base of Salt
9-5/8" csg at 2,500'

DV Tool

*Bone Spring

**Mud logging at intermediate casing shoe

*Potentially productive zone

6,570' TVD @ 0' VS w/0.80 deg updip Incl. 90.8 deg. Azi. 179.52 deg.
Target Window 20' above and below target line

4473' of 8-3/4" Lateral Hole

Well TD at 11,276' MD,
6,502' TVD, 4,888' VS1st Bone Spring Sand

Pilot Hole TD

Wellhead Equipment

Tree Connection	
Backpressure Valve	
Tubing Spool	11" 5M x 7 1/16" 10K
Casing Spool	13-5/8" 5M x 11" 5M
Bradenhead	13-3/8" SOW x 13-5/8" 5M

Logging Program

Company	Log Type	Interval
XX		
XX		Curve and lateral
Mud logging personnel at intermediate casing shoe to TD		

Tubular Detail

	Size	Wt	Grd	Conn.	From	To
Surface	13-3/8"	48#	H-40	STC	0'	700'
Inter	9 5/8"	40#	J-55	LTC	0'	2,500'
Prod	5 1/2"	20 0#	L-80	LTC	0'	Lateral TD

Lateral Directional Plan

	MD	INC	AZM	TVD	BUR	DLS
KOP	6,155'	0	0	6,155'	0	0
EOB	6,804'	90.8	179.52	6,565'	14.0	14.0
TD	11,276'	90.8	179.52	6,502'	0	0

Vendors

Rig	
Directional	
Mud	
Cement	
Wellhead	
Wireline Logging	
Mud Logging	

BLOWOUT PREVENTOR SCHEMATIC

CHESAPEAKE OPERATING INC

WELL : Skeen 21 State 1H

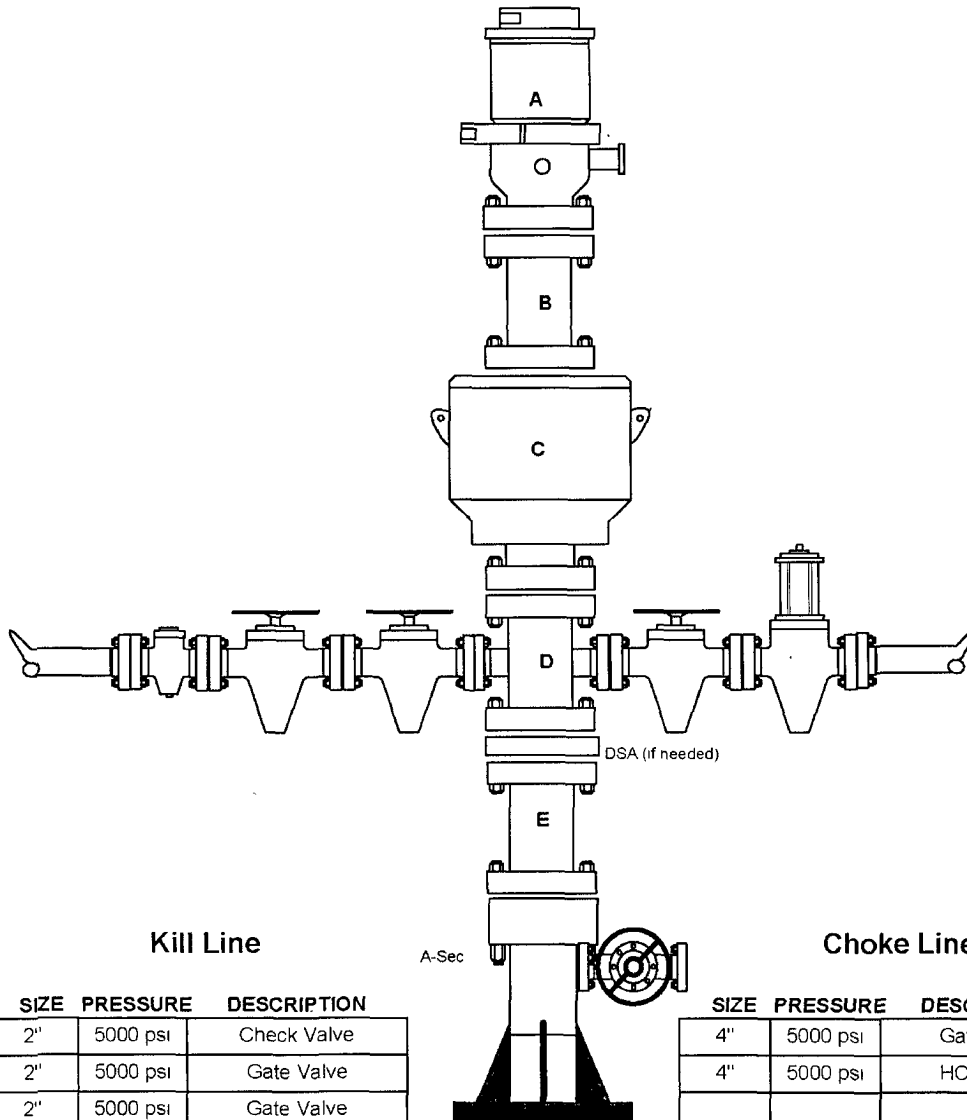
RIG : Patterson 62

COUNTY : Eddy

STATE: New Mexico

OPERATION: Drill out below 13-3/8" Casing (12-1/4" hole size)

	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	500 psi	Rot Head
B	13-5/8"	5000 psi	Spacer Spool
C	13-5/8"	5000 psi	Annular
D	13-5/8"	5000 psi	Mud Cross
E	13-5/8"	5000 psi	Spacer Spool
DSA	13-5/8" 3M x 13-5/8" 3M (if needed)		
A-Sec	13-3/8" SOW x 13-5/8" 3M		



Kill Line

SIZE	PRESSURE	DESCRIPTION
2"	5000 psi	Check Valve
2"	5000 psi	Gate Valve
2"	5000 psi	Gate Valve

Choke Line

SIZE	PRESSURE	DESCRIPTION
4"	5000 psi	Gate Valve
4"	5000 psi	HCR Valve