



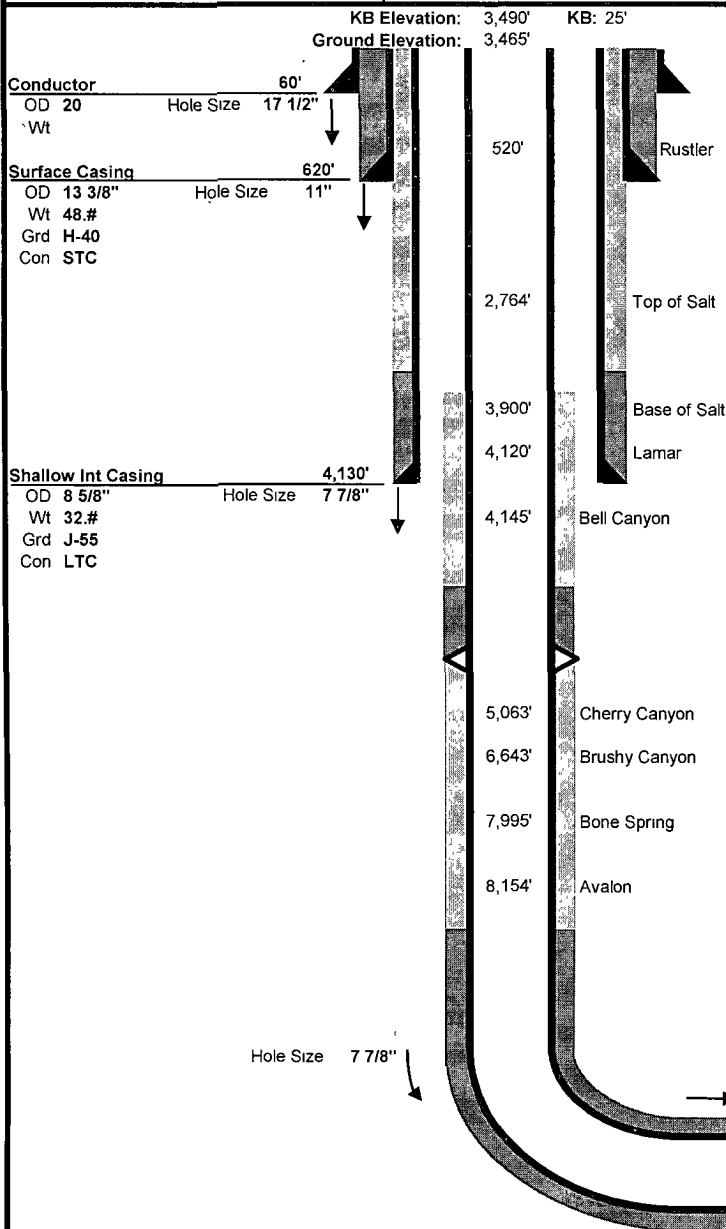
Drilling Engineer: Chris Gray
Superintendent: Cecil Luttrull
Geologist: Carl Standley

Well Name: Big Sinks 2-24-30 State 1H
Target: First Bone Spring Shale
County, State: Eddy, NM

Surface Location: 1980' FNL 200' FWL, Section 2, Township 24S, Range 30 E
BH Location: 1980' FNL 100' FEL, Section 2, Township 24S, Range 30 E

SHL Latitude: 32 248665 SHL North: 454521
SHL Longitude: -103 859599 SHL East: 687792
BHL Latitude: 32 24870953 BHL North: 454560
BHL Longitude: -103 8432774 BHL East: 692838
Coordinates: NAD 83 Coordinates: NMSPCE

Drilling Rig: Patterson 62
Directional-Surface: Ryan
Directional-Curve: Ryan
Drilling Mud: Nova
Cement: Schlumberger
Wellhead: Sunbelt
Property Number: 639413
AFE Number: 156966



Wellhead Equipment	
A Section	8-5/8" x 11" 5K SOW w/5K gate valve
B Section	11" 5K X 7-1/16" 10K w/10k gate valve
C Section	N/A
D Section	N/A
Required BOP Stack	11" 5K- Double, Annular, Rot Head, W/Orbit Valve

Mud				
Depth	Type	Weight	F. Vis	FL
60' - 620'	Spud Mud	8 4 - 8 7	32 - 34	NC - NC
620' - 4,130'	Brine	9 8 - 10 1	28 - 29	NC - NC
4,130' - 8,878'	Cut Brine	8 4 - 9	28 - 30	NC - NC
8,878' - 9,633'	Cut Brine	8 4 - 9	28 - 30	NC - NC
9,633' - 14,197'	Cut Brine	8 4 - 9	28 - 30	NC - NC

Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
Surface							
Single Slurry	17'	620'	13 5	1.73	150	188	610
Shallow Int							
Lead	25'	3,630'	12 0	1 8	150	391	1220
Tail	3,630'	4,130'	14 2	1 37	150	59	243
Production							
1st Lead	4,950'	8,900'	12 4	2 09	75	213	573
1st Tail	8,900'	14,197'	14 5	1 24	75	288	1304
2nd Lead	3,630'	4,700'	12 4	2 19	200	69	176
2nd Tail	4,700'	4,950'	14 8	1 33	200	23	98

Type	Logs	Interval	Vendor
Mudlog	Mudlog	Int Csg to EOC	Suttles
OH	Triple Combo (Dual Induction)	Curve to Int Csg	TBD
LWD	MWD/Gamma	Curve/Lateral	Ryan

Directional Plan					
Target Line:	9360' TVD w/0 5 deg updip				
Target Window:	20' above and 20' below				
KOP	8,878'	0 00	0 00	8,878'	0' 0 00
EOB	9,633'	90 50	89 56	9,356'	482' 12 00
TD	14,197'	90 50	89 56	9,316'	5,046' 0 00
Hardlines:	Lateral- 330' from all lease lines				
Notes:	Please note SHL and BHL distance from lease lines				