

Logos #5

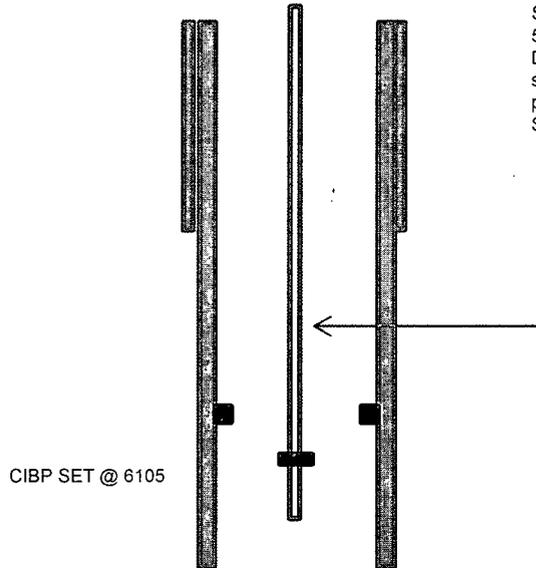
Spud: 1/30/13

Completed: 3/12/13

Install Gas Lift: 2/27/15

SHL: 671' FSL & 973' FEL
SEC 4 23N 8W

SAN JUAN NM
API: 30-045-35423



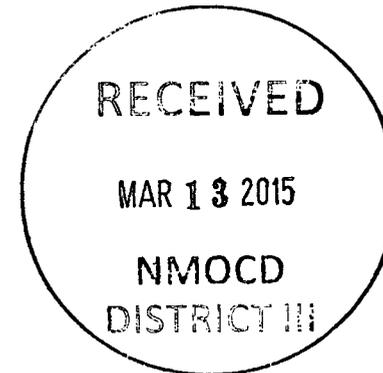
Spud well at 09:30. Drilled a 12-1/4" surface hole to 343' KB. Ran in hole with 11 joints of 9-5/8" 36# J-5_5 casing. Set at 343'. Cemented with 162 cu.ft. of Type 1-2 cement with 20% flyash @ 14.5 lb. Dropped plug and displaced 24 bbls of fresh water. Well locked up with full circulation - no cement to surface. Ran 1" pipe down the backside of the casing and tagged cement top at 54'. Mixed and pumped 23 sacks (3.5 bbls) of cement down the 1" pipe and circulated 0.5 bbls of cement to surface. Surface Casing -Hole Size: 12-1/4"

Land Tubing as Follows. Hanger KB 11', 35 jts, of 2.3/8 4.7# J-55 tbg, GLV # 7 @ 1,114' 27 jts, of 2.375 4.7# J-55 tbg, GLV # 6 @ 1,985', 24 jts of 2.375 4.7# J-55 tbg, GLV # 5 @ 2,761' 20 jts of 2.375 4.7# J-55 tbg, GLV # 4 @ 3,408' 17 jts, of 2.375 4.7 # J-55 tbg, GLV # 3 @, 3,957' 17 jts, of 2.375 4.7# J-55 tbg, GLV # 2 @ 4,508' 17 jts of 2.375 4.7# J-55 tbg, L-80 X 1.87 X P' N' @ 5,153' 42 jts 2.375 4.7# J-55 jts, GLV # 1 @ 5,059' 1jts of 2.375 tbg @ 5,091' 4' pup joint, 4.5 X 2.375 T-2 On/ Off tool, w/ 1.81 "P Nipple 1".81" @ 5,097' (4.5 X 2.3/8 Arrowset 1-X packer 5,104') 11 jts, 2.375 4.7 # J-55 tbg, w/ R' nipple, @ 5,459 1 jt of 2.375 4.7# J -55, @ 5,491 Half mule shoe, (EOT @ 5,492)(Packer set w/ 10K Tension), Total tbg in hole 170 jts 2.375 4.7# J-55, RU Tbg, Well Head, Shut well in, Locked down Hanger,

Drilled a 7-7/8" hole to 6443'. Set 152 joints of 5-1/2", 17#, L-80 at 6435'. DV Tool set at 4267' TOC at surface Stage 1: Cemented with 160 sacks Premium Lite HS FM, tailed with 168 sacks Type III cement; circulated 30 bbls of cement to surface. Stage 2: Cemented with 512 sacks Premium Lite HS FM, tailed with 50 sacks Type III cement; circulated 30 bbls of cement to surface. Final Casing - Hole Size: 6-1/8"

TD: 6443' MD
PBTD: 6390' MD

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	113 sx	182 cu.ft.	Surface
7-7/8"	5-1/2"	890 sx	1344 cu. ft.	Surface



FV