

## US ROCKIES REGION

## Anadarko Daily Summary Report

Well: HARKIS #3

Project: COLORADO-WELD-NAD83-UTM13

Site: HARKIS #3

Rig name no.: ENSIGN 328/328

Event: CONST- CAP WELL WORK

Start date: 2/10/2015

End date:

Spud date: 10/23/1981

Active datum: RKB @4,853.00usft (above Mean Sea Level)

UWI: NWSE/NW/0/2/N/65/W/2/0/0/6/PM/N/1,430.00/W/0/1,650.00/0/0

Report no.	Report date	MD (usft)	24 hr summary
1	02/10/2015		Miru SUMMIT SLICKLINE, sn @ 6,989', tag @ 7,413', miru Ensign 328, prep for next day. scsg 50 psi.
2	02/11/2015		Crew to loc, blew well dn, killed well, 30 dn csg, 30 dn tbg, fresh-bio, nd wh, nu BOP, miru PICK TEST, emi, all good, tih with bit-scraper to 6,870', tooh, ld bit-scraper, tih with rbp, set @ 6,800', ld 1 jt, cir gas out, test rbp to 1,000 psi, good test
3	02/12/2015		Crew to loc, blew surface dn, nd BOP, nd wh, unland 4 1/2, spear, nu dual entry, nu BOP, tih with 1.66 tbg dn to 800', alcomer 74L sweep, unable to go dn, cir dn to 960', unable to go dn, came out to look at mule shoe, ran back in tagged @ 650'
4	02/13/2015		Crew to loc, tih with 1.66 tbg, tagged @ 650', rigged up tbg swivel, rotate with wrenches, dropped past csg collar, tih to 1,400', alcomer 74L sweep, condition hole, worked tbg dn to 2,210' unable to go down, condition hole, tih dn to 3,000', condition
5	02/17/2015		Crew to loc, suck out mud from tank, replace with fresh-bio, cir till pump quit pumping (unable to pump heavy mud, tih to 4,750' while waiting for trash pump, unable to lift mud, pull up to 4,066', still unable to lift mud, pull up to 3,735', condition
6	02/18/2015		Crew to loc, changed out mud pump, emptied out & cleaned tank, condition hole, tih to 4,165', cir clean, tih to 4,431', condition hole, tih to 4,730', condition hole, swi, sdfn.
7	02/19/2015		Crew to loc, cancelled cmt job, still gas in well, conditioned hole, swi, sdfn.
8	02/20/2015		Crew to loc, condition hole, pump 40 bbls 10 lb mud, pull up to 4,564', miru BAKER, est cir, 5 bbls fresh, 20 sms, 5 fresh spacer, 56.36 cmt(275 sx), class G, .3 bwoc r-3, .25 cello clake, .01 gps fp-6L, 4 bbls displacement, tooh to 1,402', est cir 5
9	02/23/2015		Crew to loc, start/warm up equipment, ld 1.66 tbg, miru WARRIOR, log from 6,700' to surface, cmt coverage from 4,580' to 3,900' and from 1,460' to 482', called in results to Evans office (Anne Kremer), woo, swi, sdfn.
10	02/24/2015		Crew to loc, tih, cir sand cap, latch on to rbp, release rbp, tooh, ld rbp, tih with nc, xn profile nipple, 79 jts, miru HS TESTING, hydrotest in with as-1x packer 143 jts, eot @ 7,013', packer @ 4,502', set packer, nd BOP, nu wh, load backside, 45 bbls,

## COMMENTS:

02/11/15 - pull 15 stands, spot 2 sx sand, tooh, ld r head, load hole, swi, sdfn.

02/12/15 - worked tbg, unable to get dn, hitting solid, swi, sdfn.

02/17/15 - hole, pump not pumping good, tore pump apart, mud washed out seats & vales, swi, sdfn.

02/20/15 - fresh, 118.1 cmt(500sx), type 3, .25 cello flake, .01 gps fp-6L, 2.5 displacement, tooh, nd BOP, nd dual entry, land 4 1/2 csg, miru RUNNING IRON WELDING, cut below bad csg, weld new bell nipple, let weld cool off, nu wh, nu BOP, tih with 1.66 tbg, to make sure tbg clean, swi, sdfn. Changed sack total on SUSSEX FROM 260.2 sx TO 275 sx (different blend). Aproved by Anne Kremer

02/24/15 - test packer to 1,000 psi, good test, broach tbg, 1.90, test wh, good test, swi, rdmo, sdfn. Anadarko production packer in hole.