



**Whiting Oil & Gas Corp**  
**1700 Broadway, Suite 2300**  
**Denver, CO 80290**  
**(303) 837-1661**

**Multi-Day Job Sum - Drlg Dpths-No Costs**

**Well Name: NELSON 1**

*Plug & Abandon  
 Job Started on 1/27/2014*

WPC ID	API No	Field Name	County	State	Operator	Gr Elev (ft)	Orig KB Elv (ft)
	051230575800	Mitigation-DJ Basin	Weld	CO	WOGC	4,762.00	4,771.00
AFE Number 14-0226		Job Category Drill/Re-Enter	Job Type Plug & Abandon		Start Date 1/27/2014	End Date 3/13/2014	

**Daily Operation Reports (6am to 6am)**

Job Day (days)	Rpt #	Start Date	End Date	End Depth (ftKB)	Summary
1.0	1.0	1/27/2014	1/28/2014	106.0	MIRU. Safety Mtg. NU wellheads, BOPs. RU temp iron to well & tks. Make up BHA: bit, x-over, 3 DCs; tag TOC @ 106'KB. Secure well/equip. SWI.
2.0	2.0	1/28/2014	1/29/2014	515.0	Safety Mtg. Tag up, fell thru w/rotation. TIH to 515' KB, tag mud w/12 jts. Fluid flowed up beside csg after attempting to circ conv. Pump 5 bbls, no circ @ returns. LD 4 jts, circ, got same results. Fluid con't to flow up fr/ground while attempting to roll tk, pumping thru well head.
3.0	3.0	1/29/2014	1/30/2014	401.0	Safety Mtg. WP- 0#. LD single jts, 4 DCs, BHA. SWI, clean up loc.
4.0	4.0	1/30/2014	1/31/2014	401.0	BWS rig 12 SD 1-30-14.
8.0	5.0	2/3/2014	2/4/2014	401.0	Safety mtg. RU WL, make gauge runs, tag @ 165'KB. Load hole w/2BW. RIH w/10 jts tbg, BHA, bit, x-overs to 332.06'KB. Log well. RD WL. Drain pump, temp iron. Secure well/equip.
9.0	6.0	2/4/2014	2/5/2014	401.0	BWS rig 12 SD
10.0	7.0	2/5/2014	2/6/2014	401.0	BWS rig 12 SD
11.0	8.0	2/6/2014	2/7/2014	401.0	Safety Mtg. TIH, open ended w/16jts to 515'KB. RU cmt equip, pump 25 sx/5nns cmt, displace w/3bbls. TOOH w/16jts to surf. Vac out cellar. Secure well.
12.0	9.0	2/7/2014	2/8/2014	401.0	Safety Mtg. MU BHA x-over and bit. TIH, tag @ 401'KB w/jt 13. LD 13 jts & BHA. Secure well. Chg out BOP rams/equip to prep for csg.
15.0	10.0	2/10/2014	2/11/2014	365.0	Safety mtg. Dig out trench/pit, TIH w/9jts, tag @ 401'KB, pull up to 396'KB, pump 41 bbls/200 sx cmt to surface. Displace w/9.2 bbls. RD. Secure well/equip.
16.0	11.0	2/11/2014	2/12/2014	365.0	B.W.S. rig 12 SD
17.0	12.0	2/12/2014	2/13/2014	531.0	Safety mtg. Press =0#. RD cmt equip, floor, BOPs, WHs, cut off 5 1/2" csg well on bell nipple. NU WH, BOPs. chg out rams for 2 7/8", fill in pit, trench. RU floor equip, temp iron, MU BHA, bit, x-over, 4 DCs, TIH, tag TOC @365'KB w/8jts, ru power swivel, circ, DO cmt to 531'KB w/13 jts, circ clean. TOOH 10 hts, secure well/equip.
18.0	13.0	2/13/2014	2/14/2014	702.0	Safety mtg. Press =0#. TIH, tag @ 531'KB w/13 jts. RU, circ, DO cmt to 702'KB w/18 jts. Circ clean. TOOH w/16 jts. Drain pump/temp iron. Secure well/equip.
19.0	14.0	2/14/2014	2/15/2014	892.0	Safety mtg. Press =0#. TIH, tag @ 702'KB w/18 jts, circ, DO cmt to 892'KB w/24 jts; shavings were mixed hard /soft mud. Circ clean. TOOH w/22 jts. Drain pump/temp iron. Secure well/equip.
22.0	15.0	2/17/2014	2/18/2014	1,050.0	Safety mtg. Press =0#. TIH, tag @ 892'KB, circ, drill on hard mud to 1050'KB w/29 jts.Circ clean. LD 29 jts and BHA. Secure well/equip.
23.0	16.0	2/18/2014	2/19/2014	1,050.0	Safety mtg. Press =0#. PU 4 DCs, RIH w/bit, PU 4 jts 2 7/8" tbg. Windy. Trouble making connections. SD rig due to wind. SWI.
24.0	17.0	2/19/2014	2/20/2014	1,123.0	Safety mtg. Press =0#. RIH, tag @ 1050'KB w/29 jts, drill to 1123'KB w/32jts-not very many cuttings, circ clean-got back cmt /mud shavings w/pockets of air in returns. TOOH w/26jts. SWI. Secure well/equip.
25.0	18.0	2/20/2014	2/21/2014	1,123.0	Safety mtg. Press =0#. TIH, tag @ 1123'KB w/32 jts. For safety reasons, TOOH w/26 jts due to incr winds. SWI. BWS mech replace seals on pump that was leaking.
26.0	19.0	2/21/2014	2/22/2014	1,262.0	Safety mtg. Press =0#. RIH, tag @ 1123'KB w/32 jts, drill to 1262'KB w/36 jts, circ clean. TOOH w/30 jts. SWI. Drain pumps/lines.
29.0	20.0	2/24/2014	2/25/2014	1,312.0	Safety mtg. Pressure=vac/vac. RIH, tag @ 1262'KB w/36 jts, could not break circ, LD 8 jts, circ heavy mud/shavings out, drill on hard spot several hrs, returns showed hard mud, drill to 1312'KB w/38 jts, circ clean. TOOH w/32 jts. SWI. Drain pumps/lines.
30.0	21.0	2/25/2014	2/26/2014	1,440.0	Safety mtg. Pressure=vac/vac. RIH, tag @ 1312'KB w/38 jts, break circ, drill on hard mud to 1440'KB, circ clean. TOOH w/36 jts. Drain pumps/lines.
31.0	22.0	2/26/2014	2/27/2014	1,462.0	Safety mtg. Pressure=vac/vac. RIH, tag @ 1440'KB w/42 jts, break circ, drill to 1462'KB w/43 jts, getting very few cuttings of mud at returns, circ clean. TOOH w/43 jts, 4 DCs, inspect bit, one side worn. SWI. Drain pumps/lines.
32.0	23.0	2/27/2014	2/28/2014	1,462.0	Safety mtg. Press =0#. Chg seals on pump. Shut bttm valve inside mud tank to let cleaner water flow over divider. Wrong bit came in. SWI. Drain pumps/lines.
33.0	24.0	2/28/2014	3/1/2014	1,468.0	Safety mtg. Press =0#. Remove thick mud fr/tank. TIHw/cone bit, 4 DCs, hole got tight @ 1322'KB w/38 jts. break circ, ream hole to 1462'KB w/43 jts, drill to 1468'KB w/43 jts, no cuttings in returns. Circ clean. TOOH w/43 jts, 4 DCs & bit. SWI. Drain pumps/lines.
34.0	25.0	3/1/2014	3/2/2014	1,468.0	Remove watery mud from mud tank with vac trk.



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36.0	26.0	3/3/2014	3/4/2014	1,429.0	Safety mtg. Press =0#. TIH w/hurricane bit, 8 DCs, hole got tight 32 jts in @ 1271'KB. Break circ, ream hole to 1468'KB w/39 jts, drill to 1529'KB w/41 jts, showed little to no cuttings @ returns, circ clean. New mud tank leaking. Transfer mud to work tank. TOOH w/30 jts. SWI. Drain pumps/lines.
37.0	27.0	3/4/2014	3/5/2014	1,497.0	Safety mtg. Press =0#. TOOH w/8 DCs, bit good. TIH w/bit & DC, tag @ 1529'KB w/41 jts, break circ, drill hard mud to 1597'KB w/43 jts, no shavings at returns. Circ clean. TOOH w/41 jts, SWI. Drain pumps/lines.
38.0	28.0	3/5/2014	3/6/2014	1,646.0	Safety mtg. Press =vac/vac. TIH to 1597'KB w/43 jts. Break circ, drill to 1646'KB w/44 jts, no shavings in returns, circ clean, clean well, took 30 bbls of fluid. TOOH w/43 jts. SWI. Drain pumps/lines.
39.0	29.0	3/6/2014	3/7/2014	1,646.0	Drill from 1646' to 1667'. TOOH w/tbg & DC's.
40.0	30.0	3/7/2014	3/8/2014	1,646.0	Safety meeting. TIH with BHA & tbg. Tag at 1667'. Break circ. Drill to 1807' KB. Decide to stop drilling here. Circ clean. TOOH w/Tbg & BHA. SWI. SDFWE.
43.0	31.0	3/10/2014	3/11/2014	1,646.0	MIRU Sanjel cement equipment. TIH w/57 jts open ended tbg to 1805'. RU Sanjel on tbg. Held safety meeting. Test all lines to 3400 psi. Pump 6 bbls fresh water ahead, break circulation. Mix & pump down tbg 65 sks of 15.8 ppg neat cement, 12.9 bbls slurry. Displace with 9.1 bbls fresh water to balance cement plug. Shut down & break off. Well is balanced. RD Sanjel. LD 17 jts tbg. Stand back 20 stands tbg. SWI. SDFN. Will tag to prove cement top in the morning. Pump 2nd balance plug in the morning.
44.0	32.0	3/11/2014	3/12/2014	1,646.0	TIH w/43 jts tbg, tag TOC at 1363'. LD 15 jts tbg to 915'. RU Sanjel on tbg. Mix & pump 215 sks of 15.8 ppg class G cement (44 bbls). Pumped until cement returns to rig tank. Shut down & clean all lines. LD 28 jts tbg. ND rig floor. ND BOP. Top off 5-1/2" csg until cement stopped falling. Topped off w/8 bbls cmt total. Wash up. RD Sanjel. SDFN. Will rig down in the morning.
45.0	33.0	3/12/2014	3/13/2014	1,646.0	RDMO.