

[illegible]



Daily Completion Operations

Date: 1/10/2017
Report #: 2.0

Well Name: Howard 14-18

Well Name Howard 14-18	Operator PDC Energy Inc.	API 05123202400000	Well Number 105.002173	Last Mod By BHolman
District Evans	Field Name Wattenberg	County Weld	State CO	
Well Type Development	Surface Legal Location SWSW 18 5N 64W	Spud Date 9/21/2002	Original KB Elevation (ft) 4,635.00	Ground Elevation (ft) 4,625.00 KB-Ground Distance (ft) 10.00

Daily Operation: 1/10/2017 06:00 - 1/10/2017 19:00

APE Number WO000LOE	Job Category Completion/Workover	Objective WBI FOR HORIZONTAL FRACS	Start Date 1/9/2017	End Date	Primary Job Type Wellbore Integrity	Secondary Job Type
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Rigs

Contractor Ensign	Rig Number 356
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Daily Operations

Report Start Date 1/10/2017	Report End Date 1/10/2017	Daily Field Est Total (Cost) 16,047.25	Cum Field Est To Date (Cost) 20,937.25
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Status at Reporting Time

Operations Summary

0 PRESSURES. HELD SAFETY MEETING. MIRU PICK TESTERS. TESTED IN HOLE TO 6000 PSI WITH RMOR BIT AND SCRAPER AND 217 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG TO 6866'. FOUND 2 HOLES. RDMO TESTERS. POOH, LD BIT AND SCRAPER. MIRU CASED HOLE WIRELINE. RIH WITH RMOR/WYOMING COMPLETIONS 4-1/2" 10K CIBP. CORRELATED WITH LOGS, GOT ON DEPTH AND SET CIBP AT 6847'. (50' ABOVE TOP CODELL PERF) POOH. RIH WITH DUMP BAILER AND SPOT 2 SKS OF CEMENT ON TOP OF CIBP. POOH. RDMO WIRELINE. RIH WITH 3-7/8" CONE BIT/PUMP OFF BIT SUB W/FLOAT, SEAT NIPPLE AND 214 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG TO 6774'. ROLLED HOLE CLEAN. TESTED PLUG AND CASING TO 2000 PSI FOR 15 MINUTES. HELD GOOD. BLED OFF PRESSURE. LD 9 JNTS. LAND TBNG AT 6491.33' KB. ND BOPS. NU 5K TOP FLANGE. INSTALLED 5K VALVES ON WELLHEAD. BROACHED TBNG TO SN WITH 1.901" BROACH. SECURED WELL. RDMO

10.00' kb
6478.23' 205 jnts 2-3/8" 4.7# J-55 8rd eue
1.10' seat nipple
2.00' P/O Bit sub w/ float and 3-7/8" cone bit
6491.33' kb

10 JNTS FMT'D TO INVENTORY ATP YARD (2 HAVE HOLES)
TBNG WAS LANDED 90' HIGH. WILL NEED EXTRA WHEN RE-LANDING

Operations Next Report Period

TORQUE AND TEST WELLHEAD

Weather	Temperature (°F)	Hole Condition	Road Condition
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Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Code Des	Com
06:00	06:30	0.50	0.50	TRAV	Travel - To Location	
06:30	07:00	0.50	1.00	SMTG	Safety Meeting	
07:00	12:00	5.00	6.00	RTRIP	Tripping	
12:00	13:00	1.00	7.00	EWLO	Other	TEST IN SCRAPER, PULL SCRAPER
13:00	14:30	1.50	8.50	RUTB	Run Tubing	WL SET CIBP W/2 SKS
14:30	16:00	1.50	10.00	PTST	Pressure Test	RAN PUMP OFF BIT SUB/BIT
16:00	17:00	1.00	11.00	ROTH	Other Rig Work	ROLL HOLE, TEST PLUG AND CASING TO 2000 PSI, GOOD
17:00	17:30	0.50	11.50	LOCL	Lock Wellhead & Secure	LD 10 JNTS, LAND TBNG
17:30	18:30	1.00	12.50	SRIG	Rig Up/Down	INSTALL 5K VALVES, SECURED WELL
18:30	19:00	0.50	13.00	TRAV	Travel - From Location	