



17673

Date 12/8/2016

Sater Tools and Services LLC, 2424 6th Ave, Greeley Co 80631 Office 970-356-4644 Fax 970-356-0185

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[illegible]

**Terms: Net 30 Days**

**Total Service & Material:**

Tax:

**TOTAL CHARGES:**

Authorized Agent:

Date:



## Well History

Well Name: Miller 2

API 05123127330000		Surface Legal Location SESW 17 5N 64W		Field Name Kersey		State CO		Well Configuration Type Vertical					
Ground Elevation (ft) 4,618.00		Original KB Elevation (ft) 4,627.00		KB-Ground Distance (ft) 9.00		Spud Date 11/1/1985 00:00		Rig Release Date 11/5/1985 00:00		On Production Date 1/31/1986		Abandon Date	

### Job

#### Drilling - original, 11/1/1985 00:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 11/1/1985	End Date 11/5/1985	Objective
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Start Date	Summary	End Date

### Sand Frac, 11/5/1985 00:00

Job Category	Primary Job Type Sand Frac	Start Date 11/5/1985	End Date 11/5/1985	Objective
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Start Date	Summary	End Date

### Initial Completion, 11/6/1985 00:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 11/6/1985	End Date 1/31/1986	Objective
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Start Date	Summary	End Date

### Tubing Repair, 1/4/2012 00:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 1/4/2012	End Date 1/4/2012	Objective Repair tubing leak.
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Start Date	Summary	End Date
1/4/2012	ITP-100 psi, ICP-100 psi, ISCP-0 psi, MI&RU Bayou Rig #14. ND production equipment, blow well down to RT and controll w/30 bbls clay treat w/biocide 20 down casing and 10 down tubing. Unpack tubing head and NU BOP, PU 2 tag jts tagging fill 40. 28' in w/207 jts. Lay down tag jts. TOOH tallying 2 3/8" 4.7 lb/ft EUE 8rd production tubing, pulled 205 jts-6,824.14', NC/SN-1.60' (found a bumper spring and plunger in the SN),tagged fill @6,868.74' KB w/207 jts (14.74'of RH), tubing was landed @6,832.74' KB. MI&RU Anytime Testing Testers, TIH testing production tubing to 6 K psi, found 6 jts w/holes and 2 crimped jts, tested 205 jts + replacement jts, all other tubing tested good. RD and release tester, land tubing @ 6,835.02' KB w/ 1-6' & 4' subs, 205 jts-6,816.42' and NC/SN-1.60' ( tubing is landed 8.98' above Codell), NU production equipment, SI well and secure, SDFN.	1/4/2012
1/5/2012	ITP-10 psi, ICP-40 psi, blow tubing down to RT, RU swab w/1.910" broach, broach tubing to seat nipple, tubing broached good, pull broach and SI well, RDMOL.	1/5/2012

### Wellbore Integrity, 12/6/2016 14:00

Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 12/6/2016	End Date 12/8/2016	Objective SET RBP AHEAD OF FRAC
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Start Date	Summary	End Date
12/6/2016	MIRU ENSIGN 320. TP=320, CP=200, SCP=0. BLEW DOWN WELL TO RIG TANK. CONTROLLED WELL W/ 80 BBL CLAYTREAT/BIO WATER. NDWH. CHANGED OUT BAD WH W/ 5M FLANGE WH. FUNCTION TEST BOP. NUBOP. TAG W/ 47' AT 6882. TOOH & TALLY 205 JT 2 3/8" 4.7# J-55 8RD TBG, SN, NC. SWI. SDFN.	12/6/2016
12/7/2016	CP=50, SCP=0. BLEW DOWN WELL TO RIG TANK. TIH W/ STS 3 7/8" BIT, 4 1/2" CSG SCRAPER, 205 JT 2 3/8" 4.7# J-55 8RD TBG. HYDROTESTED TBG TO 6000 PSI. NO BAD JT. TOOH & SB 196 JT TBG. LD 9 JT TBG, BIT & SCRAPER. RU CASED HOLE. SET STS 4 1/2" 10M CIBP AT 6780. DUMPBAILED 2 SX CEMENT ON CIBP. TIH W/ STS 3 7/8" BIT, PO BIT SUB 196 JT TBG. CIRC GAS FROM WELL. PRESSURED CSG TO 2500 PSI & PRESSURE BLED RIGHT OFF. FOUND NIO PERFS OPEN ABOVE CIBP. SDFN	12/7/2016
12/8/2016	TP=0, CP=0, SCP=0. TOOK 2 HR TO GET EQUIPMENT ALL RUNNING. TOOH. LD PO BIT. TIH W/ STS 4 1/2" RBP, SET RBP AT 6501.59 KB. CIRC GAS FROM WELL. TEST CSG TO 2500 PSI. HELD GOOD. SPOTTED 2 SX SAND ON RBP. LAND TBG AT 6174.5 KB W/ 185 JT 2 3/8" 4.7# J-55 8RD TBG, SN, RETREIVING HEAD. NDBOP. NUWH. TEST WH TO 2500 PSI. HELD GOOD. SWABBED TO 500'. RDMO.	12/8/2016