

Date: 6/2/2010
 Preparer: REP
 Lease: 6658

Wellname: REED 1-32
 Field: Channing
 County: Prowers State: CO
 aka: none
 API: 05-099-06280

QTR: NE SW NE
 Sec: 32
 Twp: 21S
 Rge: 46W
 1382 FEL & 1763 FNL

KB: 3751
 GL: 3742
 Diff: 9

8 5/8 @ 220

TOC 4 1/2 ?
 (cnt be dtctd by CBL)

FO cementer 1796

TOC tbg ?

Csg lk 3025-3086

Csg lk 3452-3515

Csg lk 3573-3635

Csg lk 3824-3877

TOC (by CBL) 4075

Model R pkr 4537

Morrow 4582-4583

4585-4601

4603-4610

CIBP 4758

Keyes 4772-4798

CIBP 4822

St Gen 4836-4848

St Gen 4852-4862

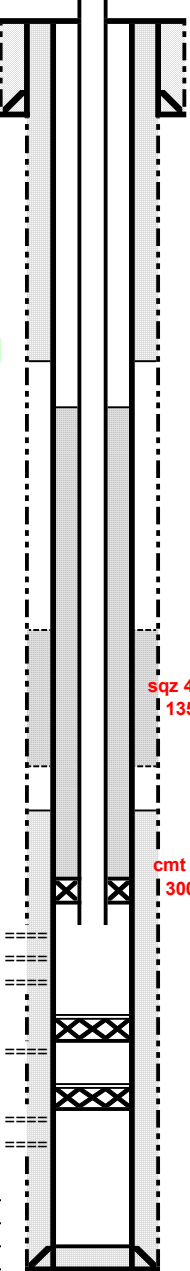
PBTD 4867

4 1/2 @ 4871

RTD 4873

LTD 4873

Surface equipment:
 (1) FGSWT 210 bbl
 (1) separator 16" OD x 6'



Casing Information

Size	Weight	Grade	Depth	Cement	Date Run	Comment
8 5/8	24	?	220	140	1/9/88	cmn
4 1/2	10.5	J-55	4871	140	1/21/88	50/50 poz
FO cementer			1796	300	1/26/88	cmt to surf
2 3/8	?	?	4530	300	9/22/04	lost circ, no cmt to surf

DST'S

#1 - 3943-3971 (Marmaton)	no blw, 20' mud, no show	85-159 #
#2 - 4579-4616 (Morrow)	GTS 3', 2258 mcf, 150' SGCWM	1023-1015 #

Producing Intervals/Perforations

Formation	Top	Btm	SPF	# of holes	Date	Status
St Genevieve	4852	4862	4	40	1/28/1988	plugged back w/ CIBP
	4836	4848	4	48	1/28/1988	plugged back w/ CIBP
Keyes	4772	4798	4	104	2/5/1988	plugged back w/ CIBP
Morrow	4603	4610	4	28	2/9/1988	open
	4585	4601	4	64	2/9/1988	open
	4582	4583	4	4	2/9/1988	open

Well History

1/9/88	Cmt surf csg w/ 140 sks cmn, 2% cc.
1/21/88	Cmt prod csg w/ 140 sks 50/50 poz w/ gel, CFR-2, Gilsonite, Flocele.
1/26/88	Cmt PC (FO cementer) w/ 300 sks Howco Lite. Good cmt rtns to surf.
1/27-2/15/88	Pres tst csg to 1500 psig - held. Drilled out PC. Ran CBL - PBTD=4867; TOC 1=4075, so so bond; TOC 2=not dtctd on CBL, very poor bond(?). Csg swb dry. Dmp 100 gals 10% acetic acid. Perf St. Genevieve 4852-62 & 4836-48 w/ 4 spf. Run pkr, swb dry. Acdz St Gen undr pkr w/ 250 gal Mod 202 @ 1 bpm, vac. Swb 0.29 bph, trace oil. Rrt St Gen undr pkr w/ 500 gal 15% MCA & 1500 gal Mod 202 @ 0.25 to 1 bpm, vac. Swb 0.58 bph, wat. Set CIBP @ 4822 w/ 1/2 sx cmt. RIH w/ pkr, swb dry, dump 50 gals 10% acetic acid. Perf Keyes 4772-98 undr pkr w/ 4 spf. Flwd to pit briefly, swb ~1.75 bph, clean wat; dead next day. Set CIBP @ 4758 w/ 1/2 sxs cmt. Csg swb to 4700, dmp 2 bbl diesel. RIH w/ TCP gun & pkr (set @ 4513). Perf Morrow 4582-83, 4585-4601, & 4603-10 w/ 4 spf. Flow thru separator ~580 mcf/d, dry. Cndct 4-pt tst. SI for pipeline, 920 psig tbg. POL 1050 mcf/d, 720 psig tbg.

Remediate Csg Leaks & Frac Morrow

2/21-3/12/92	Kill well w/ 20 bbl 3% KCl. POOH w/ pkr. RIH w/ RBP & pkr. Found csg lks 3025-3086, 3452-3515, 3573-3635, 3824-3877; all cmnctd; IR < 0.25 bpm, 500 psig. Held 500 psig 3025 to surf. Sqz csg lks w/ 75 sxs Class A cmt. Drilled out, didn't hold. Resqzd w/ 60sxs Class A. Drilled out - still lost 250 psig in 2 min w/ 160 ft fill up in 12 hr. POOH w/ RBP. Snd pmp drlg mud & form 4627 to 4741. RIH w/ pkr. Trt Morrow 4582-4610, OA w/ 1000 gals 7.5% FE hvng Low Surf 300 & Cla-Sta & 45 ball slrs @ 4.5 bpm, 2200 psig max. Little ball actn. Swbd dry; no flow. Frac Morrow (4582-4610, OA) undr pkr w/ 4000 gals prepae, 160 Mgals 75% Q CO2 foam & 207 sxs 20-40 snd @ 7.3 bpm, 5008 psig max. Strtd flowing back after 4 hrs, no snd. POL 2-days ltr - 740 mcf/d, 465 psig tbg. 3/19/92 Flw 870 mcf/d, lp 420 psig, tbg pres 460 psig, 3.34 bw. 9/11/03 Tbg lk 110th jt. Killed well w/ 25 bbls 2% KCl. POOH tbg & pkr; rplcd jt, swb dry. Well dead; dmngd formation. Refrac Morrow 10/28/03 Refrac Morrow (4582-4610, OA) undr pkr w/ 1000 gals 7.5 % acid, 28 Mgals 60% Q N2 foam & 20 M#'s 20-40 snd @ 9 bpm avg, 2200 psig avg. Strtd flowing back after 4.5 hrs, no snd. POL 2-days ltr - ~69 mcf/d, 1.7 bw. Btm pkr @ 4517. 12/29/03 Well dead; FL 1800' FS. Swbd 20 bw in 4 hrs. Chk PBTD thru tbg @ 4630 (128' fill). 1/27/04 Swb 145 bbls wt in 9 hrs. Drp SV - tbg lk 111th jt. Rplcd 3 jts & reblcd pkr @ 4519. Swbd 15 bw; starts flwg. Well snds up. 3/16/04 Atmpt to swb tbg; stck out @ 4370, rec snd. 4/9/04 RU CT. Circ clean 4500 to 4750 w/ N2 foam. 6/9/04 Swab; chlorides 50,000; drop SV, pmp 0.5 bpm @ 500 psi - tbg lk; SI well.
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Cmt 2-3/8" Tbg Lnr

9/20-10/31/04	POOH w/ tbg & pkr. Run snd pmp - tag fill @ 4565. Run bulldog bailer, CO to 4590; hole in 90th jt. Tst tbg to 6000 psig - rest okay. RIH w/ bull-plgd jt tbg, pkr, perf sub, 11 jts coated tbg, 137 jts tbg to surf. Pkr set 4537, tail pipe @ 4571. Cmt 2-3/8" tbg in place w/ 300 sxs A-Con containing 2% caclz & fric rdr. Lost circ afr 88 bbls pmpd, no cmt to surf. Bmpd plg to 1000 psig - held. SI 2 days. Cnctd to 4-1/2" csg, pmpd 6.5 bw to load, pres tst csg/tbg annul to 600 psig - lost 400 psig in 27 mins - csg lk. RU CT. Tag cmt @ 4264; drill out cmt w/ 1.875" bit. Drill out bull plg w/ 1.78" bit. Circ clean to 4758 w/ wash nozzle. Blow well around w/ N2. RDMO CT. Swb wel dwn, rcvr 1.5 bw. Trt Morrow 4582-4610, OA w/ 500 gals 10% FE HCl & 1000 gals 5% HF-10% HCL FE acid and 1000 gals CC-1 flush @ 3 bpm, 1500 psig. Swb 172 bw ovr 6 days. POL 25 mcf/d, 34 psig tbg. 12/3-7/04 Swb 46 bbls to kck off - 47 mcf/d, 68 psig tbg. present 60 mcf/d, 35 psig tbg; soap ~once/wk to unl ~1.6 bw 12/16/15 G.O.L.D. Tech w/infrared camera checked gas separator & wellhead for leaks, no leaks detected. 1/31/16 Shut-in, TA. Prowers Gas Gathering Shut-in gathering system and is for sale. 2/26/16 E mailed Lise to start SIGP. 6/16/17 RTP. 160 TP. First and 2nd day 46 mcf/d, 100 # TP. 6/22 90 mcf/d; 6/26 46 mcf/d 2019 26.8 mcf/d 4/30/20 ave 12 mo CF (\$163)/mo 7/7/20 James talked to Dick Reed (landowner). Dick wants the well plugged. \$30/mo is not worth it. 7/1/20 TA until 7/31/20. New pumper and flow EOM. 12/1/20 97 Psi on WH, blow well down for 30 min. to FGWT 20-22 Psi. ISIP 145Psi. POL for 1 month. 1/14/21 LL Press test 150Psi for 30Min. Held. Tbg Pressure 95Psi. O Psi on Bradenhead. 2/1/21 RTP for one month. SIP 105# 7/13/23 Skyline Oilfield RO's replaced Enardo Thief hatch at WSWT. RO's replaced 1/4 regulator on separator. 2/7/25 Reed Lease has been uneconomic. Keep producing for now, may P&A for carbon credits 5/27/25 Ken and MR both ok to P&A, Lease has been uneconomic. 7/3/25 Nick ok to P&A. 7/31/25 Shut down gas well. Will P&A after AFE's and P&A paperwork approved
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COMMENTS

1144 btu/scf
 Prowers Gas Gathering is paying Murfin ~ \$3/MMBTU under Henry Hub prices
 Murfin WI/NRI 0.670515/0.537165 (8 WI owners)
 RI&ORI 0.181808 (47 RI&ORI owners)
 SIGP \$640/yr Start SIGPs January 2017
 Estimated NYMEX Breakeven \$1.97