

UNION PACIFIC RESOURCES CO.
PAGE 2 REPORT

WELL: #1 Williams 13-11

FIELD: Castle Peak

LOCATION (4/4): NWSW SEC: 11 T: 13S R: 51W CO/ST: Cheyenne

KB ELEVATION: 4812 GL: 4802 TD: 6410 PBTD: 6257

PERFORATIONS: 6192 6202 ZONE: Morrow

JOB TYPE/DESCRIPTION: Run 4" Prod. Liner

PRODUCTION CASING: 4" OD. 10.48# J-55, to 6149' TUBING: 2 3/8", J-55, 4.7#, 8rd, EUE
5 1/2", 15.5# K-55, at 6367'

WORKING INTEREST: NET REVENUE INTEREST:

AFE NUMBER: A1174 AFE \$: 145 SPENT THRU CSG: 0

RIG COMPANY: J.W. Gibson Well Service
BO BW MCF

LAST WELL TEST: 32 150 50

LAST PULLED: DATE 10/03/95
REASON: Isolate csg. leak

RPT.DATE OPER.DATE

02/27 02/26/96 MIRU. Mercury Wireline, RIH. w/ CIBP. and set at 6174 ft. POOH. RD. Mercury. MIRUSU. PU. and TIH. w/ 4 3/4" bit. 5 1/2' csg. scraper and 195 jts. 2 7/8" tbg. to 6157.15 ft. TOOH. w/ tbg., scraper and bit. PU. and TIH. w/ 4" O.D., 43.35 ft. csg. drift to 6169.15 ft., (drift ran w/o any trouble all the way). POOH. and lay dn. 2 jts. tbg. SDFN.
Rig 1514, Tools 325, Mercury 1400, Accum. 3239.

02/28 02/27/96 TOOH. w/ tbg. and csg. drift. PU. and TIH. w/ R.B.P., set at 3010'. POOH. lay dn. 1 jt. tbg. MIRU. hot oiler load tbg. and annulus w/ 45 bbl. prod. water and test RBP., to 400#. held 10 min. ok. POOH. lay dn. 4jts. tbg. and dump 1 sx. sand dn. tbg. and pump 10 bbl. water to flush. TOOH. w/ tbg. and retrieving head. MIRU. Mercury Wireline, PU. and RIH. w/ 3 3/8" csg. carrier gun and perforate from 2800-2801', 4 JSPF. POOH. RD. Mercury. PU. and TIH. w/ tension pkr. and 80 jts. 2 7/8" tbg. set pkr. at 2537ft. MIRU. Halliburton, load tbg. -csg. annulus w/ 15 bbl. water, start pumping dn. tbg., est. inj. rate of 5 bbl./min. @ 500#, pumped 20 bbls. total. Mix and pump 200 sx. standard-lite cement, tailed w/ 50 sx. standard cement, displaced w/ 15 bbl. water at 2 bbl/min. at 150#, stage 1, 15 min. 1bbl. at 100#, stage 2, 30 min. 1 bbl. at 100#, stage 3, 30 min. 1 bbl. at 100#, stage 4, 1hr. 1 bbl. at 100#, shut dn. slight vac. finished pumping cement away, displaced 10 bbl. behind csg. Unset pkr. and reverse circulated out, 20 bbl. POOH. w/ 20 jts. tbg., reset pkr. SDFN.

Rig 1500, Rental tools 1300, Halliburton 6000, water 800, Hot oiler 175, Mercury 670, Accum. 13,684.

02/29 02/28/96 Unset pkr., TIH. w/ 10 stds. 2 7/8" tbg. and set pkr. at 2537 ft. Blow dn. surface csg., 5 min., to fair blow. MIRU. Halliburton, load tbg. - csg. annulus w/ 7.5 bbl. water. Load tbg. w/ 10 bbl. water and pump 8 bbl. est. rate of 1.5 bbl./min. at 300#, mix and pump 100 sx. type 1 cement and displace w/ 17 bbl. water, w/ 1.5 bbl./min. at 650#, shut dn., pressure bled off, waited 30 min. for stage 1, 1/4 bbl. at 300#, shut dn., pressure bled dn.slow. Waited 30 min. for stage 2, 1/8 bbl. at 600#, held solid 7 min., bled off pressure, retest to 625#, solid. Unset pkr. reverse circulate out w/ 27 bbl. water, clean returns. Reset pkr. and retest to 600#. held ok, bled off pressure. RDMO. Halliburton. Unset pkr., TOOH. laying tbg. dn. in singles, and pkr. TIH. w/ 4 7/8" bit, 5 1/2" csg. scraper and 10 stds. of tbg. SDFN.

Rig 1700, Rental tools 2800, Halliburton 3500, water 500, Accum. 22,184.

03/01 02/29/96 Finish TIH. w/ tbg, total of 82 jts. to tag top of cement, at 2601'. RU. power swivel and start drilling, drilled 7 hrs., drilled up 189 ft., to 2790', drain up lines. SDFN.
Rig 1458, Drill equip. 600, bit. 350, Accum.24,592.

03/02 03/01/96 Finish drilling up cement, w/ 47', circulated hole clean, pressure tested csg. to 400#, held 10 min. ok. PU tbg. and tag sand on RBP. circulate sand off RBP. 1hr. TOOH. w/ tbg., scraper and bit. (very windy) SDFN.

Rig 900, Rental tools 400, Accum. 25,892.

#1 Williams 13-11, Rework

03/03 03/02/96 TIH. w/ retrieving head and tbg. to 3000ft., finish circulating sand off RBP., latch on, release. TOOH. w/ tbg. and RBP., laying tbg. dn. in singles. Start RU. equipment to run 4" liner on Monday, A.M. Rig 810, Rental Tools 400, Accum. 27,102.

03/04 03/03/96 SDFS. Accum. 27,102.

03/05 03/04/96 PU. and TIH. w/ 4" OD. floatshoe, 139 jts. of Atlas Bradford FL4S Flush Jt., 10.46#, J-55, 3.351" ID, drift, 3.476 ID, 4" OD., made up w/ 2200# torque and land 4" liner at 6149 ft. KB. Flange up wellhead, make up 4" x 4 1/2" change over. RD. 4" OD. equipment. (ready to cement liner tomorrow AM) Rig 1218, 4" Rental tools and man 1750, Floatshoe and x-over 1740, 4" OD Liner, 6250' 39, 875. Frt. for liner 3125. Accum. 74,810.

03/06 03/05/96 Bled off gas pressure from surface csg. 300#+, open 4" - 5 1/2" annulus. MIRU. Halliburton, pressure test lines to 1850#, ok. Load 4" liner w/ 43 bbl. fresh water, est. inj. rate of 4.5 bbl/min. at 830#. Mix and pump 100 sx. premium cement w/ 2% CFR-3, .1% HR-5, (15.9#/gal), shut dn. drop wiper plug, Start displacement, pumped 73 bbl. fresh water and bumped plug w/ 1700#, held 5 min., bled off pressure, repressure to 1700#, held 5 min., bled pressure off, ok. RDMO. Halliburton. RU. to run tbg., PU. and TIH. 3 1/4" cone bit, bit sub, x-over and 125 jts. 2 3/8" tbg. SDFN. Rig 1000, Halliburton 4400, Water 800, Accum. 81,010.

03/07 03/06/96 SDFD., (high wind and blowing snow) Accum. 81,010.

03/08 03/07/96 PU. and TIH. w/ remainder of 2 3/8" tbg. (69 jts.) tag cement at 6087.23 ft. KB, w/ 194.5 jts. RU. drilling equipment, drilled 6 hrs. to 6149.43 ft. KB., drilling up floatshoe now, drilling hard, total of 62.2 ft. drilled. Drain up pump and lay dn. swivel for night, 5 PM. SDFN. Rig 1300, Drilling equip. 600, Wellhead equip. 1500, Accum. 84,410.

03/09 03/08/96 PU. swivel, cont. drilling on floatshoe, drilled 3hrs. and drilled thru floatshoe, drilled up cement below floatshoe for 10 ft., at 6159 ft., circulated hole clean. pressure tested 5 1/2" csg. to 500#, held, 5 min. ok. Cont. drilling to 6174 ft., on top of CIBP, drilled 18", seemed like plug released, went dn. hole another 18" or so and stopped, pump pressure came up, couldn't circulate, reverse cir., or anything. Plug setting at 6177 ft., wouldn't move anyway or drill, kept plugging off and wouldn't circulate. Lay dn. swivel and drain up for night. SDFN. Rig 2100, Accum. 86,510.

03/10 03/09/96 PU. swivel, and tried for 1.5 hrs. to drill at 6177 ft., couldn't get it to circulate, just wanted to plug off. Laid dn. swivel, TOOH. w/ tbg., x-over, bit sub and 3 1/4" bit., bit didn't have any cones on it when it came out. SDFD. (ordered magnet and mill for Mon. AM.) Rig 600, Accum. 87,110.

03/11 03/10/96 SDFS. Accum. 87,110.

03/12 03/11/96 PU. and RIH. w/ 3" OD. magnet and 1 jt. 2 3/8" tbg. on sandline to 6177 ft. POOH. w/ tbg. and magnet, 5 very small pcs. of ground up cone from bit. PU. and TIH. w/ 3 1/4" OD. mill, sub and 198 jts. 2 3/8" tbg. and tag CIBP at 6177 ft., drilled 7 hrs. and made 8 ft. of hole. CIBP. seems to be turning dn. the hole ahead of mill, not drilling up, very little metal and rubber in returns. Lay dn. swivel and drain up for night. Rig 2150, Accum. 89,260.

03/13 03/12/96 PU. swivel, cont. drilling, drilled 3 ft. to 6188 ft. in 3.5 hrs. Plug released and fell to bottom, ran tbg. in to 6253.92 ft. KB. Circulated hole clean, 1 hr., POOH. and lay dn. 1 jt. tbg. Swabbed 68 bbl. wtr out w/ final FL. 5800 ft. SDFN. Rig 2200, Rental tools, (mill) 1215, Accum. 92,675.

03/14 03/13/96 RIH. w/ swab, IFL. 5700 ft, 100 ft. inflow overnight, pulled 100 ft. left. FL. at 5800 ft. TOOH. w/ tbg., x-over sub, and mill. NU. BOPS. MIRU. Mercury Wireline, RIH. w/ 3 1/8" csg. carrier gun, correlate and attempt to perforate, misfire on gun. POOH. w/ perf. gun, wire in head had pulled out, repaired, RIH. w/ perf. gun, correlate, tag PBTD. at 6257 ft., and perforate from 6192-6202 ft., 4 JSPPF., .376 Intry., 40 holes total. (6192-6198, was new zone opened, 6198-6202, was reperf existing zone), POOH. w/ gun, RDMO. Mercury Wireline. PU. and TIH. w/ 2"x 1 3/4"x18"x20"x22' tbg. pump, 2 jts. 2 3/8" tbg., TA, 196 jts. 2 3/8" tbg. and 1- 10' 2 3/8" tbg. sub., EOT 6226.76 ft. KB. RU tbg. swab, IFL. 3400 ft., 1st. run pulled 1000 ft., 300 ft. free oil. 1st hr. made 4 swab runs, recovered 7 bbl. fluid w/ last run 75% oil, FL. 4700ft. 2nd. hr. made 4 swab runs, rec. 9.5 bbl. fluid, w/ last 2 runs of the hr. 100% oil, FFL. 4700 ft., TP. strong blow, CP. slight blow. SDFN.

Rig 1760, Tbg. 12,900, TA. 2400, Pump 1900, Mercury 1120, Accum. 112,755.

03/15 03/14/96 MIRU. wireline, RIH. w/ BHP. bomb, set at 6200 ft., 15 min., POOH. making gradient stops coming out, BHP. 546#, stable, RDMO. wireline. SI. 15hrs. TP. 49, CP. 169, RIH. w/ swab, IFL. 4500 ft., 1st. run pulled 1200 ft. all oil, 4.5 bbl., 2nd run FL. 4700 ft., pulled 1200 ft., all oil, 3 bbl. oil. 3rd. run FL. 4100 ft. gas cut, pulled 1200 ft., all oil, rec. 3 bbl., 4th. run, FL. 3000 ft., gas cut, pulled 1200 ft., all oil, rec. 2 bbl., Rec. a total of 12.5 bbl. oil in 1 hr., getting very gas cut. TP. strong blow, CP. slight blow. Lay dn. swab, strip off BOPS, set TA. w/ 18,000, land in wellhead. EOT 6226.76 ft. KB. SDFN. Rig 800, BHP. 420, Accum. 113,995.

03/16 03/15/96 PU. and single in w/ ON-OFF tool, 165- 3/4", 50K and EL., B-insp. rods, 82- 7/8", 50K, B- insp. rods w/ slimhole boxes, 1- 7/8"x4" rod pony and 1 1/4"x22" polish rod w/ 1 1/4"x 1 1/2" x 12' liner, latch on-off tool, space out pump at 38". Replace and shorten brida cable, hang well on. Replumb wellhead w/ new fittings. Load tbg. w/ 15BO. and test to 1000#,ok. Put well on pump 5 PM., 9x108x1 3/4". Clean location, RDMOSU. Rig 1700, RSTB. 720, Welder 300, Wellhead supplies 1500, Trucking 850, Rods 7750, Wtr. trk. 400, Accum. 127,215.

Rod String:	(1)	1 1/4"x22" Polish rod w/ 1 1/4"x 1 1/2" x 12' Line	22'
	(1)	7/8"x 4" rod pony EL.	4'
	(82)	7/8" 50K. rods w/ slimhole spray metal boxes	2050'
	(165)	3/4" 50K. and EL. rods w/ reg. size spray met boxes.	4125'
	(1)	On-Off tool	.83'
	(1)	1 3/4" x 22' tbg. pump.	22'

Tbg. string:	KB.		5'
	(1)	2 3/8"x 10' tbg. sub	10'
	(196)	2 3/8" Lonestar, 4.7#, J-55 EUE, 8RD, Tbg. special clearance couplings (2.910"OD) Top of Tbg. Anchor	6123.04'
	(1)	2 3/8" x 3.4" Tbg. Anchor, w/ 40,000# shear	6138.04'
	(2)	2 3/8" tbg.	2.58'
		Top of Tbg. Pump	62.73'
	(1)	2"x1 3/4"x18"x20"x22' Tbg. Pump w/ straine EOP.	6203.35'
			23.41'
			6226.76'

NOTE All tbg. and the tbg. pump has special clearance couplings on them (2.910"OD)

03/17 03/16/96 1st. 13 hrs. on TP. 40, CP. 45, 9X108X 1 3/4", 15BLO+109BFO+0BFW+103MCF. Accum. 127,215.

03/18 03/17/96 24hrs. TP. 45, CP. 45, 9X108X1 3/4", 197BFO+1BFW+90MCF. Accum. 127,215.

03/19 03/18/96 24hrs. TP. 45, CP. 45, 9X108X1 3/4", 165BFO+0BFW+90MCF.

Rod and Tbg. Insp. 7510, Job Supv. 4020, Cement cost diff. 600, Accum. 139,345.

03/20 03/19/96 23hrs. 1hr. dn. bal. unit, TP. 40, CP. 45, 9x108x 1 3/4", 128BFO+0BFW+90MCF. Accum. 139,345.

03/21 03/20/96 24hrs. TP. 40, CP. 45, 9X108X1 3/4", 119BFO+0BFW+82MCF.

Inv. differences 700, Accum. 140,045.

03/22 03/21/96 21 HRS. TP-30 CP-35, 9X108X1 3/4", 94BFO+0BFW+68MCF.

DN 3 HRS. FINISH BLACING UNIT. ACCUM. 140,380.

03/23 03/22/96 24 HRS. TP-40 CP-45, 9X108X1 3/4", 100BFO+1BFW+82MCF.

03/24 03/23/96 24 HRS. TP-45 CP-45, 9X108X1 3/4", 93BFO+2BFW+82MCF.

03/25 03/24/96 24 HRS. TP-45 CP-45, 9X108X1 3/4", 95BFO+1BFW+82MCF.

03/26 03/25/96 10 HRS. TP-45 CP-45 9X108X1 3/4", 37BFO+0BFW+34MCF.

DN. DUE TO WEATHER.

03/27 03/26/96 24 HRS. TP-45 CP-50 9X108X1 3/4", 75BFO+13BFW+82MCF.