



Well History

Well Name: Olson 29-12

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|-----------------------------------|--|--|--|----------------------------------|--|-----------------------------|--|-------------------------------------|--|---------------------------------|--|---------------------------|--|
| API 05123201400000 | | Surface Legal Location SWNW 29 4N 67W | | Field Name Wattenberg | | State CO | | Well Configuration Type Vertical | | | | | |
| Ground Elevation (ft) 4,956.00 | | Original KB Elevation (ft) 4,969.00 | | KB-Ground Distance (ft) 13.00 | | Spud Date 3/3/2001 18:30 | | Rig Release Date 3/11/2001 20:30 | | On Production Date 6/28/2001 | | Abandon Date 11/5/2019 | |

Job

Drilling - original, 3/4/2001 00:00

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|--------------------------|---|------------------------|-----------------------|--|
| Job Category Drilling | Primary Job Type Drilling - original | Start Date 3/4/2001 | End Date 3/11/2001 | Objective Explore Codell for Production |
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Daily Operations

| Start Date | Summary | End Date |
|------------|--|----------|
| 3/4/2001 | Cyclone Rig #8: MIRU and spud 12 1/4" hole @ 6:30 PM, 03/03/2001. | |
| 3/5/2001 | Cyclone Rig #8: Drilling 12 1/4" hole @ 423'. Last survey @ 401' (3/4). | |
| 3/5/2001 | Cyclone Rig #8: TD 12 1/4" hole @ 423'. Ran 8 5/8". | |
| 3/6/2001 | Cyclone Rig #8: Drilling 7 7/8" hole @ 1352'. Last survey @ 927' (1). | |
| 3/7/2001 | Cyclone Rig #8: Drilling 7 7/8" hole @ 4000'. Last survey @ 3019' (1). | |
| 3/8/2001 | Cyclone Rig #8: Drilling 7 7/8" hole @ 5300'. Last survey @ 5022' (1). | |
| 3/9/2001 | Cyclone Rig #8: Drilling 7 7/8" hole @ 6525'. Last survey @ 6043' (1). | |
| 3/10/2001 | Cyclone Rig #8: Drilling 7 7/8" hole @ 7375'. Last surveys @ 6511' (3) and 7010' (2). | |
| 3/11/2001 | Cyclone Rig #8: TD 7 7/8" hole @ 7600' on 03/10. Laying down drill pipe. | |
| 3/11/2001 | Cyclone Rig #8: TD 7 7/8" hole @ 7600' KB. MIRU PSI and ran GR/Comp Density/Neutron/Dual Induction log. LTD @ 7569' KB. RU Kimzey Casing Service and ran 14' shoe joint, 14' pup joint, 176 joints of 10.5 #/ft, M-65, 4 1/2" casing and 1 joint of 11.6 #/ft, N-80 on top of string to 7505'. Casing set @ 7518'. Insert @ 7504'. MIRU Halliburton and pump 10 Mud Flush, 10 bbl Clayfix water and 57 bbl Class G + additives. Released wiper plug and displaced with 119 bbl treated water. Plug down OK @ 6:48 pm. Estimated cement top @ 6500' KB. Released rig @ 8:30 pm. | |

Initial Completion, 3/19/2001 00:00

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| Job Category Completion/Workover | Primary Job Type Initial Completion | Start Date 3/19/2001 | End Date 3/28/2001 | Objective |
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Daily Operations

| Start Date | Summary | End Date |
|------------|---|----------|
| 3/19/2001 | RU Nuex Wireline and ran GR/VDL/CBL. PBTD @ 7468' KB. Cement top @ 6350' KB. Perforated the Codell from 7307' to 7313' with 30, .34 diameter holes, 3 spf, 120 deg phasing. | |
| 3/28/2001 | MIRU BJ Services and frac the Codell with 2854 bbl Vistar 20/18 and 225140# of 20/40 mesh sand. ATP - 3163 psig; AIR - 15.5 bpm; 4 ppa sand; ISIP - 3152 psig; 5 min - 3112 psig; Flush with 114 bbl. Shut down pumps @ 12:10 pm. Open well on 12/64 choke to tank. | |

Tubing Repair, 11/12/2001 00:00

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| Job Category Completion/Workover | Primary Job Type Tubing Repair | Start Date 11/12/2001 | End Date 11/14/2001 | Objective |
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Daily Operations

| Start Date | Summary | End Date |
|------------|---|----------|
| 11/12/2001 | MIRU completion rig. Set pump & tank. Spot tubing trailer and prepare to run 2 3/8" tubing. SDFN. | |
| 11/13/2001 | MIRU completion rig to run 2 3/8" tubing as siphon string. Kill well with 2% KCL fluid & NU BOPs. RIH with tubing, ran 123 jts. SWIFN. | |
| 11/14/2001 | Finish running in hole with tubing. Tag sand fill @ 7293. Circ & clean out to 7466. Circ 45 minutes on bottom. Landed with 221 jts @ 7293.71. Broach tubing string to bottom. RDMO completion rig. SWIFN. | |
| 11/14/2001 | MIRU swab rig. Swab well tubing, LR 120 bbls. FFL 3700. 100# casing pressure with strong blow on tubing. SIWFN. Gauged well pressure in AM. 1100# casing pressure and 700# tubing pressure. | |

Abandon Well EHS, 11/1/2019 06:00

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| Job Category Abandon | Primary Job Type Abandon Well EHS | Start Date 11/1/2019 | End Date 11/4/2019 | Objective PLUG AND ABANDON WELL |
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Daily Operations

| Start Date | Summary | End Date |
|------------|---|-----------|
| 11/1/2019 | CREW TO LOCATION. MIRU ENSIGN RIG 354. Summit Slickline ran Gyro Survey prior to moving in rig. MIRU. ITP: 300 PSI ICP: 600 PSI ISCP: 18 PSI BLEW WELL DOWN TO RIG TANK. ROLLED HOLE CLEAN. WELL STARTED CIRCULATING UP SURFACE CASING. ND WELLHEAD. FUNCTION TEST AND NU BOPS. POOH TO DERRICK WITH 221 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG, SN/NC. MIRU C&J WIRELINE. RIH WITH GAUGE RING/JUNK BASKET TO 7290'. RIH WITH STS 4.5" 10K CIBP, CORRELATED WITH LOGS, GOT ON DEPTH AND SET AT 7257'. DUMP BAIL 2 SKS OF CEMENT ON TOP OF PLUG. RIH WITH 2ND STS 10K CIBP AND SET AT 6951'. DUMP BAIL 2 SKS ON TOP OF PLUG. RAN STS 32a TENSION PACKER AND HUNTED HOLES. FOUND BAD CASING BETWEEN 2310' AND 2541'. LD TBNG AND PACKER. RU C&J WIRELINE. RAN JET CUTTER AND CUT CASING AT 2550'. RDMO WIRELINE. SECURED WELL. SDFD. CREW TO YARD. | 11/1/2019 |



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|------------|--|-----------|
| 11/5/2019 | <p>HELD SAFETY MEETING 0 PRESSURES ON WELL. CONDITIONED HOLE. ND BOPS, TBNG HEAD AND CASING HEAD. UNLAND CASING. NU XO SPOOL AND BOPS. LD 60 JNTS OF 4-1/2" 10.5# M65 ST&C CASING ON TRAILER. RIH WITH MULE SHOE AND 80 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG TO 2650'. CONDITIONED HOLE. SHUT PUMP DOWN. WELL REMAINED STATIC WHILE MIRU C&J CEMENTERS. HELD SAFETY MEETING. TEST PUMP AND LINES TO 2500 PSI. ESTABLISHED CIRCULATION WITH 5 BBLS FRESH WATER. MIXED AND PUMPED 80 SKS OF TYPE III 14.8# CEMENT IN A 19 BBL SLURRY. DISPLACED 9 BBLS FRESH WATER TO BALANCE PLUG TO 2371'. LD 32 JNTS. EOT AT 1584'. ESTABLISHED CIRCULATION WITH 5 BBLS FRESH WATER. MIXED AND PUMPED 215 SKS OF TYPE III 14.8# CEMENT IN A 51 BBL SLURRY. DISPLACED 4 BBLS FRESH WATER TO BALANCE PLUG TO 1059'. LD 28 JNTS. EOT AT 660'. ESTABLISHED CIRCULATION WITH 5 BBLS FRESH WATER. MIXED AND PUMPED 231 SKS OF TYPE III 14.8# CEMENT IN A 55 BBL SLURRY TO SURFACE. LD TBNG. TOPPED OFF SURFACE PLUG WITH 10 SKS. WASHED UP PUMP AND LINES. RDMO CEMENTERS. ATP DUG OUT 6 FT SURFACE HEAD ABOVE GROUND LEVEL WELL DONE CAP AND MARKER PLATE. BACK FILLED HOLE.</p> <p>FINAL REPORT PDC FLOWLINES READY TO ABANDON</p> | 11/5/2019 |