

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
800 NE Oregon Street #28, Portland OR 97232

HISTORY OF OIL OR GAS WELL
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Date	
10/19/01	Open hole to 12.25" from 750' to 2168'. Circulate and condition mud. Wipe hole to shoe with hole opener. Circulate and wait on Schlumberger. Mud density = 9.5, visc. = 40.
10/20/01	Circulate and condition hole. Wait on Schlumberger. Make to wiper trips to shoe. Mud density = 9.5, visc. = 61.
10/21/01	Wait on Schlumberger. Trip out to log well with Schlumberger. Pick up logging tools. RIH to 1653'. Tools stopped traveling at 72°. Log from 1653'. Pick up drill pipe conveyed tools and log from 1653' to 2157'. Rig up FMI tools for last drill pipe conveyed run. Mud density = 9.5, visc. = 61.
10/22/01	Pick up FMI tools and push to bottom. Trip out of hole with Schlumberger tools and rig down. Rig up to and run 8 5/8" casing. Circulate casing on bottom. Rig up Halliburton and cement as follows; lead slurry: 326 sx Type III, 2% econolite, 5% Microbond, 2% calseal, 6% salt, 3% versaset, 5#/sk gilsonite, .25#sk flocele, yield 2.12 ft ³ /sx. Tail: 310 sx Type III, 2% KCl, 10% Microbond, .5% Halad-344, .3% CFR-3, .5% D-Air 3000, yield 1.47 ft ³ /sx. Cement using two pump trucks. 20 bbl of cement returns. Inflate ECP (2096'-2085'). Float held. Casing landed at 2144'. Nipple down BOP stack. Mud density = 9.5, visc. = 61.
10/23/01	Nipple down BOP stack. Set casing slips. Cut off casing, install tubing spool and test, nipple up BOPs. Pressure test blind rams, casing and bleed off line to 1000 psi with DOGAMI representative on location. All tested OK. Trip in hole with drill string and 7 7/8" bit. Drill out cement to 2146'. Circulate hole clean. Mud density = 8.7, visc. = 30.
10/24/01	Trip out of hole and pick up casing scraper. Trip in hole with scraper. Dump and clean mud tanks. Fill mud tanks with fresh water. Displace hole to fresh water. Mix KCl/polymer drill-in fluid. Displace hole with drill-in fluid. Strap out of hole and lay down scraper. Make up directional equipment & trip in hole. Drill out shoe and open hole to 2168'. Drill ahead to 2445'. Build hole angle from 70° to 83°. MD=2214', TVD=1581', 70.4°, AZM 192; MD=2365', TVD=1621', 80.1°, AZM 194; MD=2426', TVD=1630', 82.7°, AZM 195. Mud density = 8.7+, visc. = 30.
10/25/01	Drill horizontal hole to 3033' MD (TD). Circulate hole clean. Wipe hole to shoe. Wait 2 hours. Trip back to bottom and circulate. Condition hole for logs. Trip into casing and wait on loggers. MD=2612', TVD=1640', 90.4°, AZM 192; MD=2797', TVD=1635', 89.6°, AZM 193; MD=2922', TVD=1639', 87.5°, AZM 194; MD=3033', TVD=1643', 87.9°, AZM 194.5. Mud density = 8.9, visc. = 31.
10/26/01	Wait on Schlumberger. Trip out and lay down directional tools. Rig up loggers and RIH with USI bond log. VDL/CBL portion of log tool failed. Wait on Schlumberger. Mud density = 8.9+, visc. = 31.
10/27/01	Wait on Schlumberger. Rig up to run drill pipe conveyed logs. Run platform express from 2144' to 3032'. Rig up and run FMI push log from 2144' to 3032'. Mud density = 8.6, visc. = 38.
10/28/01	Trip in hole with FMI tools on drill pipe. Trip out and lay down FMI tools. Make up USI casing inspection and bond log tools and trip in hole. Log from 1580' to 2140'. Trip out and lay down tools. Trip in hole with drill string and bit to 3033'. Circulate hole clean. Spot 100 bbl filtered viscous pill in open hole section. Trip pipe into 8 5/8" casing. Pump and clean mud tanks. Mud density = 8.8, visc. = 29.
10/29/01	Filter and mix KCl water to 8.8 lb/gal. Displace hole with filtered KCl water. Trip out of hole to run liner. Rig up to run and run 5.5" liner and liner setting tools. Trip in hole with liner. No tight spots. Rig up Halliburton and set liner packer. Test annulus to 1500 psi. Spot polymer breaker across sand section. Close sliding sleeve and test same. Pull 12 stds. Test KOIV valve. Trip out of hole with running tools and lay down. Trip in with drill pipe and prepare to lay down all pipe, subs and tools. Mud density = 8.8, visc. = 29.
10/30/01	Finish laying down drill string. Rig up to run 5 1/2" tubing tie back string. Space out tubing and land hanger. Load out tongs and nipple down BOPE. Install wellhead and related equipment.

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Date	
10/31/01	Finish nipling up tree. Displace casing with corrosion inhibitor. Rig up Mike's Wireline to set valve in gas lift mandrel. Displace 250' of fluid from tubing to casing. Run in hole with plug. Attempt to set plug in high angle section of hole. Pull out wireline and change tool configuration. Run in hole. Attempt to install valve. Won't go. Shut down for night.
11/01/01	Rig up and run wireline tools. Attempt to set valve to mandrel. Still won't set in high angle position. Wait on extra springs for setting tool. Shut down for night.
11/02/01	Wait on springs. Add extra spring. Rig up and run in hole with setting tool. Work tool. Still unable to set valve. Add another spring. Test tool at surface. OK. Run in hole with setting tool. Attempt to set tool. Plug will not set. Fill well with water and bleed trapped pressure. Monitor well for 30 minutes. Well stable. Remove tree and install BOPE. Rig up and test. Unseat tubing hanger and allow well to equalize. Monitor well. Pull tubing string. Recover side pocket mandrel. Shut down for night.
11/03/01	Lay down mandrel. Rig up setting tools and test at surface. OK. Pull shear valve and reset valve in sub. Pressure test to 800 psi. OK. Trip in hole with tubing. Run side pocket mandrel on top of 10 th joint from bottom with valve in place. Tag bottom. Pick up hanger. Attempt to land. String 3" too short. Space out tubing and land hanger with snap latch in position. Test back side to 800 psi. for 15 minutes. OK. Remove BOPE and install tree. Rig up wireline to knock out KOIV valve. Not enough force to break valve. Pressure up on KOIV to 1800 psi. KOIV won't shear. Shut down for night.
11/04/01	Run in hole with sinker bar trying to break KOIV. Unable to get enough tool action. Change configuration of tools and continue to make attempts with no success. Pressure up to 2600 psi. KOIV breaks. Pressure up annulus to test integrity. Pressure to 600 psi and hold for 10 minutes. OK. Well appears to have restricted flow so KOIV partially intact. Shut down, rig down and release rig. Move in wireline unit at later date to break out KOIV.

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