

LYCO ENERGY CORPORATION

Daily Completion Report

Well: Riggs 34-16 REPORT DATE: 6/1/90
Date: 6/1/90

Casing: Size 4 1/2 Weight 11.6 Depth 7278 PBD 7216

Tubing: Size _____ Weight _____ Depth _____

Perforations:		Formation	Tools:		Setting Depth
From	To		Type		
7106	7126	Co Sell	Face Baffle	7066	
7080, 7086	7092, 7096	Fl Hays			
		7100, 7104			

Total Load _____ Load Recovered _____ TLTR _____

Operations: Great Guns Wireline run
Correlation log from 7216 PBD
to 6400 ft Face Baffle at 7066'
Reperforated Co Sell with 3 1/2" coiled
gun, 12 gram charges, -40" holes
7106-7126' 2 sps. Fl Hays with
3 1/2" select fire gun 7080, 7086, 7092,
7096, 7100, 7104
SINIFEN

Comp Rig	_____
Water	_____
Trucking	_____
Cementing	_____
Stimulation	_____
Fishing Tools	_____
Log & Perf	<u>2000</u>
Pkr & BP	_____
Circ Eqp	_____
Dirt Work	_____
Roustabout	_____
Supervision	_____
Tubing	_____
Battery	_____
Wellhead	_____
Rods & Pmp	_____
Misc	_____

Day Total 2000

Cum Total 88.089

DAILY WORKOVER SUMMARY

REPORT DATE: COMMENTS:

CODELL FRAC

Day Total:\$6800 Cum.Total:\$124,889

LYCO ENERGY CORPORATION

DAILY WORKOVER SUMMARY

PROSPECT: Energy Minerals	OBJECTIVE: Niobrara
WELL: Riggs 34-16	PTD:
LOCATION: Weld county, CO	SPUD DATE: 4/24/90
OPERATOR: Lyco Energy Corp.	EST.COMP. DATE:

REPORT DATE:	COMMENTS:
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6-22-90 Pump down 4 1/2" casing w/PKR set @ 5120'. Had circulation out ~~surface~~ pipe. Had to shear PKR to get loose. POOH w/ tubing & PKR. (NOTE: Found 1 jt of 2 3/8" tubing w/2 pin holes). RIH w/2nd R-3 PKR on tubing to 2880'. Set PKR. Pumped down 4 1/2" annulus. Had communication on surface casing & tubing. Pumped down tubing. Had circulation out 4 1/2" annulus. Shut down operations due to high winds. Left well w/tubing on 12/64" choke overnight.

Day Total:\$1950	Cum.Total:\$126,839
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6-23-90 SI surface casing 300 PSI, SI 4 1/2" casing 300 PSI, FTP 100 PSI. Release PKR & circulate hole down tubing out 4 1/2" casing. POOH w/R-3 PKR. RIH w/A-32 tension PKR & test for casing leak. Found hole @ 4440'. Western squeezed casing leak w/100 sx Class "G" cement. Shut well in for 3 hrs. Release PKR. POOH w/tubing. RIH w/3 7/8" blade bit. SWIFN.

Day Total:\$4879	Cum.Total:\$131,718
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6-24-90 Weekend

6-25-90 Weekend

6-26-90 Tagged cement @ 4085'. Drill out cement to 4460'. SWIFN.

Day Total:\$2215	Cum.Total:\$133,933
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6-27-90 Drilled cement from 4460' to 4480'. Circulate gas kick out of casing. Pressure test casing to 700 PSI. Held OK. Continue RIH w/blade bit to CIBP 7064'. Circulate gas out of casing. POOH w/blade bit. RIH w/3 7/8" cone bit. Drill out CIBP & frac baffle. Clean out to 7145' & circulate hole clean. Pull S.N. up to 7022'. SWIFN.

Day Total:\$2574	Cum.Total:\$136,507
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6-28-90 SICP 700 PSI, SITP 1000 PSI. Open tubing to tank on 12/64 choke. Well unloaded water & gas. Shut well in to hook up flow line.

Day Total:\$1400	Cum.Total:\$137,907
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LYCO ENERGY CORPORATION

DAILY WORKOVER SUMMARY

PROSPECT: Energy Minerals OBJECTIVE: Niobrara
WELL: Riggs 34-16 PTD:
LOCATION: Weld county, CO SPUD DATE: 4/24/90
OPERATOR: Lyco Energy Corp. EST.COMP. DATE:

REPORT DATE: COMMENTS:

FINAL REPORT UNTIL FURTHER OPERATIONS

5-29-91 MIRU Gibson Well Service. Circulate wellbore w/lease oil
to kill. RIH w/2 3/8" tubing to top of sand 7097'.
Circulated down to 7107', but could not go deeper. Circulate
hole clean. SWIFN.

Day Total:\$1998

Cum.Total:\$1998

5-30-91 POOH w/215 jts of 2 3/8" tubing & cone bit. RIH w/new cone
bit & drill out remainder of CIBP @ 7145' then circulate
sand out to 7216' PBTD. Pull 6 jts & SWIFN.

Day Total:\$2133

Cum.Total:\$4121

5-31-91 POOH w/bit & bit sub. RIH w/notched collar & S.N. on 215
jts of 2 3/8" tubing. S.N. @ 7054'. Broach tubing to S.N.
w/1.90" tool. Release workover rig.

Day Total:\$945

Cum.Total:\$5066

PETROLEUM DEVELOPMENT CORPORATION

Well History

(Lyc0 Acquisition) RIGGS 34-16 Weld County, CO Permit #051231447900 AFE #99951 LS #640500	09/30/2002	MIRU swab rig. Gauged well pressures, ICP 420 and ITP 240. RIH with fishing tool – check for plunger. (No plunger in well.) Retrieve top of bumper spring – fishing neck rotten. Check depth of SN @ 7056. Swab well, IFL 5200 and gas cut with light paraffin present. LR 5 bbls. FCP 200# with 50# blow on tubing. RDMO swab rig.
	11/13/2002	MI comp rig. SDFN.
	11/14/2002	RU comp rig. Gauged well pressures, ICP 500 and ITP 30. RIH with broach, unable to go past 4930'. (Tubing has a lot of paraffin). Hot oiled tubing string. RIH with broach. Unable to go past 4930. NU Bops & TOO H with tubing. RIH with tubing & pigged all jts (found 13 jts unable to pig). Ran 201 jts & SIWFN.
	11/15/2002	Finish RIH with tubing, land with 216 jts @ 7099 KB (Codell 7108-7120). ND Bops & broach tubing to btm. Swab well, IFL @ 4600. LR 44 bbls. FFL 5800. FCP 30 with blow on tubing. SIWFN.
	11/16/2002	Gauged SI well pressures, ICP 60 and ITP 30. Swab well, IFL 5900. LR 27. FFL 6300. FCP 100 with blow on tubing. SIWFWE.
	11/18/2002	Gauged well SI pressures, ICP 25 and ITP 200. Swab well, LR 16 bbls (all oil). SIWFN.
	11/19/2002	Gauged well pressures, ICP 200 and ITP 40. Flowed tubing & swab. Swab dry recovering 2 ½ bbls. FCP 200 with blow on tubing. SI well. RDMO.
	12/07/2002	MIRU swab rig. ICP 100 and ITP 100. Swab well, IFL 5300'. LR 21 bbls. FFL 6100' and scattered (100% oil). FCP 120 with blow on tubing. Drop plunger. SIWFWE.
	12/09/2002	Gauged well pressures, ICP 280 and ITP 140. Flowed tubing & fish out plunger. Swab well, IFL 4600 and scattered. FFL 7000'. LR 23 bbls. FCP 70 with blow on tubing. SI well. RDMO
	03/13/2003	MIRU. Wash down to 7125'. Pull 30 jts. SDFN.
	03/15/2003	MIRU Nuex Wireline. Perforated the Codell from 7111' to 7119' with 3 1/8" Slick Gun, 24, .42 diameter holes, 3 spf, 60 deg phasing. RDMO Nuex Wireline.
	03/18/2003	MIRU BJ Services. ReFrac'd the Codell with 2642 bbl Vistar 24# fluid system, 217740# of 20/40 mesh white sand and 8000# of 20/40 mesh Super LC resin coated sand. Breakdown @ 3305 psig; MTP – 6128 psig; ATP – 5173 psig; AIR – 14.6 bpm; 4 ppa sand; ISIP – 4106 psig; Flushed with 41 bbl down 2 7/8" tubing. Open well to tank on 12/64 choke.
	03/14/2003	RU. Pull tbg (216 jts). PU scraper & bit. Run to bottom. Lay down 2 3/8" tbg string. Remove BOP & wellhead. Install 2 7/8" wellhead. Install BOP. SDFN.
	03/15/2003	RU Wireline and perforate Codell (7111-7119'). RD WL unit. RU hydrostatic tester & start in hole w/2 7/8" frac string. Test to 7000 psi. (Note: Run 4 jts of 2 3/8" tbg on top of packer) Found 4 jts bad. Rig down tester. Remove BOP. Rocky Mtn. set packer @ 7055' w/224 jts total. Test back side to 500 psi. Test OK. SDFN.
	03/17/2003	RU. Install frac valve. Clear loc. for frac. Haul connections & flange to Lyc0 yard. Stand by for frac. SDFN.
	03/18/2003	Start rig. Stand by for frac. Snowstorm. Finished pumping @ 4:30 pm. Rig up flowback equipment & turn in well to tank. SDFN.
	03/20/2003	Csg 290 psi. Blow well down. Circulate hole. Install BOP. Release packer. Pull frac string. Laying down on trlr. Change to 2 3/8" wellhead. Install BOP. Ran 90 jts. SDFN.
	03/21/2003	Csg 250 psi. Blow well down. Circulate hole. Continue to run tbg. Tagged sand @ 7168'. Wash down to 72216'. Pull 5 jts & land tbg @ 7100'. 217 jts + 12' pup (7100.72'). Broached tbg & started swabbing. Left FL @ 2800'. Csg on vac. Tbg gassing. SDFN.

	03/22/2003	Csg 300, tbg 900 psi. Blow well down. Started swabbing. FL @ 2400'. Swabbed 60 bbls. Well started flowing. Flowed 15 bbls. Shut well in. Csg 400 psi. RD. Ready to move.
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